

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Thursday, January 29, 2015 15:37
To: USS IWO JIMA; 'Murphy, David LS2 (SW/AW)'; Albert, Kevin L. LCDR (ASUPPO); Shiver, Joshua R. LT; Moore, Ian R. MMCS (SW) 3MC; Oscar, Jean N. LSC (SW/AW); Clark, Kizzy F. BM1
Cc: 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew-H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: USS IWO JIMA: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5212 (FINAL ANSWER)
Signed By: mike.celona@navy.mil

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commander, USS Iwo Jima (LHD-7)

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: LS2 (SW/AW) Murphy

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5212) GAMAZYME DESCALING, (Part# MIL-PRF-32217), NSN: 6850-01-531-4517
(d) POC for the USS Iwo Jima (LHD-7): LS2 (SW/AW) Murphy
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

2. Concerning ref (c) SFR# 5212 per ref (e):

Mike,

USS Iwo Jima (LHD 7)

SFR #5212: The SFR requested material (NSN 6850-01-531-4517; Gamazyme Descaling) was requested per MIP 6441/002, MRC F7NK. Per NSWCCD Code 631, the formulation of SFR requested material (NSN 6850-01-531-4517) is not authorized for shipboard use. Code 631 has approved a revised formulation of Gamazyme and is currently working with NSWCCD Code 94 logistics personnel to determine if a new NSN must be created or whether the current NSN 6850-01-531-4517 will be retained. No changes to the SHML are required at this time. For more information and further assistance, Ship's Force should contact NSWCCD Code 631 (POC: Isaac Lora-Guzman).

V/R,

Tim Kurylo

NSWCCD Code 635

Head, Solid Waste & HAZMAT ISE Branch

5001 S Broad St, Philadelphia, PA 19112

o: 215-897-7181

c: 215-840-6384

timothy.kurylo@navy.mil

Therefore, NSN 6850-01-531-4517 IS NOT APPROVED for use and will remain listed in the Master SHML and the LHD T-SHML with an AOB code of "P" (PROHIBITED FOR SHIPBOARD USE).

3. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Sent: Thursday, January 29, 2015 10:04
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350; Lora-Guzman, Isaac CIV NSWCCD Philadelphia, 6310; Morales, Ramon A (Tony) CIV NSWCCD Philadelphia, 6310
Subject: RE: SFR 5212 FOR YOUR REVIEW
Signed By: timothy.kurylo@navy.mil

Mike,

See below for response to SFR 5212:

USS Iwo Jima (LHD 7)

- Reg. P
SFR #5212: The SFR requested material (NSN 6850-01-531-4517; Gamazyme Descaling) was requested per MIP 6441/002, MRC F7NK. Per NSWCCD Code 631, the formulation of SFR requested material (NSN 6850-01-531-4517) is not authorized for shipboard use. Code 631 has approved a revised formulation of Gamazyme and is currently working with NSWCCD Code 94 logistics personnel to determine if a new NSN must be created or whether the current NSN 6850-01-531-4517 will be retained. No changes to the SHML are required at this time. For more information and further assistance, Ship's Force should contact NSWCCD Code 631 (POC: Isaac Lora-Guzman).

V/R,

Tim Kurylo

NSWCCD Code 635

Head, Solid Waste & HAZMAT ISE Branch

5001 S Broad St, Philadelphia, PA 19112

o: 215-897-7181

c: 215-840-6384

timothy.kurylo@navy.mil

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077

Sent: Tuesday, January 06, 2015 2:06 PM

To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350

Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350

Subject: SFR 5212 FOR YOUR REVIEW

ORIGINATOR: NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319 FAX: 717-605-3480, DSN: 430-3480			
REC'D AT NAVSUP WSS: 1/4/2015 FPO#: AA09574 - 1664 UIC#: 23027 TYCOM: SURFLANT			
TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5212 ATTACHED FROM (SHIP): USS IWO JIMA (LHD-7) PRODUCT NAME: GAMAZYME DESCALING DATE ON SFR: 12/23/2014
NAVSUP WSS	1/6/2015	MC	NSN/NIIN: 6850-01-531-4517 CAGE: 81349
NSWCCD			PART NUMBER/DRAWING/SPECIFICATION: MIL-PRF-32217
ISEA			SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; P O=Obsolete; N=Not Determined)
			MSDS NUMBER: (NIH=Not In HMIRS) CSTJL
			MIP: 6441/002
			MRC: D-3
LCM/ISEA			MIP/MRC: NONE
			APL: NONE
			AEL: NONE
NAVSUP WSS			APL/AEL: NONE
			TECHNICAL MANUAL: NONE
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: 3330 & 3419			NOTES: V/C3/H 100-50 GRAM SACHETS PER BOX.

RECEIVED
JAN 4, 2015

**SHIP'S HAZARDOUS MATERIALS LIST (SHML)
FEEDBACK REPORT (SFR)**

(P)

*This form needs to be completed if the Hazardous Material
that you want to purchase is not authorized on your T-SHML*

BY: SFR 5212
SHIP NAME: USS IWO JIMA

HULL NUMBER: LHD 7

TYCOM:

UIC: 23027

Serial Number:

AIRCRAFT RELATED: ☐ Yes ☒ No

I. JUSTIFICATION

(To include equipment/application this material is to be used on):

USE GAMAZYME DESCALING COMPOUND (6850-01-574-8506) IN REPLACE OF SCALE PREVENTION CHEMICAL PRODUCT INTEK-CHTC (6850-01-531-4517).

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable):

6850-01-574-8506

II. TECHNICAL DATA

See SFR 3330 + 3419

MAINTENANCE INDEX PAGE (MIP) #: 6441/002

MAINTENANCE REQUIREMENT CARD (MRC) #: D-3

APL OR AEL:

TECH MANUAL:

REV:

ESTIMATED YEARLY REQUIREMENT: 365.00

III. MANUFACTURER DATA

(If requested NSN is provided proceed to section IV)

NSN: 6850-01-531-4517

MANUFACTURER: MIL SPECS, FROM BY MIL.

PHONE: -

ITEM OR TRADE NAME: GAMAZYME DESCALING

PART NUMBER OR SPECIFICATION: MIL-PRF-32217

UNIT OF ISSUE: BX

UNIT OF MEASURE: 100 EA, 50 GRAM SACHETS

IV. ENDORSEMENTS

REQUEESTORS NAME: LS2 MURPHY, DAVID

EMAIL: murphyd@lhd7.navy.mil

DATE PREPARED: 12/23/2014

COMMANDER OR DESIGNEE NAME: CAPT. D.R. GORDON

RANK: O6

EMAIL: gordonr@lhd7.navy.mil

DATE: 12/23/2014

SIGNATURE:

CO's signature denotes acceptance of all liabilities associated with
the procurement and use of this non-SHML hazardous material

Electronic submission of SHML Feedback Report/s constitutes CO's approval

Mail to:

Commanding Officer, Naval Inventory Control Point

P.O. Box 2020, Code M0772.22

5450 Carlisle Pike, Mechanicsburg PA 17055-0788

Fax: DSN 430-3480 or COM 717-605-3480

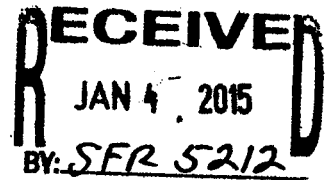
Email: wraps.prime.fct@navy.mil

*Remarks: No longer
authorized for Shipboard
use.*

(D)

Celona, Michael J CIV NAVSUP WSS, M077

From: Murphy, David LS2 (SW/AW) <murphyd@lhd7.navy.mil>
Sent: Sunday, January 04, 2015 8:13
To: wraps.prime.fct
Cc: Albert, Kevin L. LCDR (ASUPPO); Shiver, Joshua R. LT; Moore, Ian R. MMCS (SW) 3MC;
Oscar, Jean N. LSC (SW/AW); Clark, Kазzy F. BM1
Subject: USS IWO JIMA/SHML Feedback Report
Attachments: DOC.PDF



To Whom It May Concern,

Good afternoon, the HAZMAT Coordinator for USS IWO JIMA LHD 7 respectfully submits the attached SHML Feedback Report for your review.
Thank you.

V/r,

LS2 (SW/AW) Murphy
USS IWO JIMA LHD 7
FPO AA 34094-1664
SUPPLY/S-10
HAZMAT DIVISION
EXT 7638

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Thursday, January 29, 2015 15:37
To: USS IWO JIMA; 'Murphy, David LS2 (SW/AW)'; Albert, Kevin L LCDR (ASUPPO); Shiver, Joshua R. LT; Moore, Ian R. MMCS (SW) 3MC; Oscar, Jean N. LSC (SW/AW); Clark, Kазzy F. BM1
Cc: 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew-H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: USS IWO JIMA: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5212 (FINAL ANSWER)
Signed By: mike.celona@navy.mil

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commander, USS Iwo Jima (LHD-7)

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: LS2 (SW/AW) Murphy

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5212) GAMAZYME DESCALING, (Part# MIL-PRF-32217), NSN: 6850-01-531-4517
(d) POC for the USS Iwo Jima (LHD-7): LS2 (SW/AW) Murphy
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

2. Concerning ref (c) SFR# 5212 per ref (e):

Mike,

USS Iwo Jima (LHD 7)

SFR #5212: The SFR requested material (NSN 6850-01-531-4517; Gamazyme Descaling) was requested per MIP 6441/002, MRC F7NK. Per NSWCCD Code 631, the formulation of SFR requested material (NSN 6850-01-531-4517) is not authorized for shipboard use. Code 631 has approved a revised formulation of Gamazyme and is currently working with NSWCCD Code 94 logistics personnel to determine if a new NSN must be created or whether the current NSN 6850-01-531-4517 will be retained. No changes to the SHML are required at this time. For more information and further assistance, Ship's Force should contact NSWCCD Code 631 (POC: Isaac Lora-Guzman).

V/R,

Tim Kurylo

NSWCCD Code 635

Head, Solid Waste & HAZMAT ISE Branch

5001 S Broad St, Philadelphia, PA 19112

o: 215-897-7181

c: 215-840-6384

timothy.kurylo@navy.mil

Therefore, NSN 6850-01-531-4517 IS NOT APPROVED for use and will remain listed in the Master SHML and the LHD T-SHML with an AOB code of "P" (PROHIBITED FOR SHIPBOARD USE).

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Celona, Michael J CIV NAVSUP WSS, M077

From: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Sent: Thursday, January 29, 2015 10:04
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350; Lora-Guzman, Isaac CIV NSWCCD Philadelphia, 6310; Morales, Ramon A (Tony) CIV NSWCCD Philadelphia, 6310
Subject: RE: SFR 5212 FOR YOUR REVIEW
Signed By: timothy.kurylo@navy.mil

Mike,

See below for response to SFR 5212:

USS Iwo Jima (LHD 7)

Reg. P
SFR #5212: The SFR requested material (NSN 6850-01-531-4517; Gamazyme Descaling) was requested per MIP 6441/002, MRC F7NK. Per NSWCCD Code 631, the formulation of SFR requested material (NSN 6850-01-531-4517) is not authorized for shipboard use. Code 631 has approved a revised formulation of Gamazyme and is currently working with NSWCCD Code 94 logistics personnel to determine if a new NSN must be created or whether the current NSN 6850-01-531-4517 will be retained. No changes to the SHML are required at this time. For more information and further assistance, Ship's Force should contact NSWCCD Code 631 (POC: Isaac Lora-Guzman).

V/R,

Tim Kurylo

NSWCCD Code 635

Head, Solid Waste & HAZMAT ISE Branch

5001 S Broad St, Philadelphia, PA 19112

o: 215-897-7181

c: 215-840-6384

timothy.kurylo@navy.mil

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077

Sent: Tuesday, January 06, 2015 2:06 PM

To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350

Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350

Subject: SFR 5212 FOR YOUR REVIEW

ORIGINATOR:

NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319
 FAX: 717-605-3480, DSN: 430-3480

REC'D AT NAVSUP WSS: 1/4/2015 FPO#: AA09574 - 1664 UIC#: 23027 TYCOM: SURFLANT

TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5212 ATTACHED FROM (SHIP): USS IWO JIMA (LHD-7) PRODUCT NAME: GAMAZYME DESCALING DATE ON SFR: 12/23/2014
NAVSUP WSS	1/6/2015	MC	NSN/NIIN: 6850-01-531-4517 CAGE: 81349 PART NUMBER/DRAWING/SPECIFICATION: MIL-PRF-32217
NSWCCD			SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; P O=Obsolete; N=Not Determined)
ISEA			MSDS NUMBER: (NIH=Not in HMIRS) CSTJL
			MIP: 6441/002 MRC: D-3
LCM/ISEA			MIP/MRC: NONE
			APL: NONE AEL: NONE
NAVSUP WSS			APL/AEL: NONE
			TECHNICAL MANUAL: NONE
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: 3330 & 3419			NOTES: V/C3/H 100-50 GRAM SACHETS PER BOX.

RECEIVED
JAN 4 2015

**SHIP'S HAZARDOUS MATERIALS LIST (SHML)
FEEDBACK REPORT (SFR)**

(P)

*This form needs to be completed if the Hazardous Material
that you want to purchase is not authorized on your T-SHML*

BY: SFR 5212
SHIP NAME: USS IWO JIMA

HULL NUMBER: LHD 7

TYCOM:

UIC: 23027

Serial Number:

AIRCRAFT RELATED: ☐ Yes ☒ No

I. JUSTIFICATION

(To include equipment/application this material is to be used on) :

USE GAMAZYME DESCALING COMPOUND (6850-01-574-8506) IN REPLACE OF SCALE PREVENTION CHEMICAL PRODUCT INTEK-CHTC (6850-01-531-4517).

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable) :

6850-01-574-8506

II. TECHNICAL DATA

See SFR 3330 + 3419

MAINTENANCE INDEX PAGE (MIP) #: 6441/002

MAINTENANCE REQUIREMENT CARD (MRC) #: D-3

APL OR AEL:

TECH MANUAL:

REV:

ESTIMATED YEARLY REQUIREMENT: 365.00

III. MANUFACTURER DATA

(If requested NSN is provided proceed to section IV)

NSN: 6850-01-531-4517

MANUFACTURER: MIL SPECS, FROM BY MIL.

PHONE: - -

ITEM OR TRADE NAME: GAMAZYME DESCALING

PART NUMBER OR SPECIFICATION: MIL-PRF-32217

UNIT OF ISSUE: BX

UNIT OF MEASURE: 100 EA, 50 GRAM SACHETS

IV. ENDORSEMENTS

REQUESTORS NAME: LS2 MURPHY, DAVID

EMAIL: murphyd@lhd7.navy.mil

DATE PREPARED: 12/23/2014

COMMANDER OR DESIGNEE NAME: CAPT. D.R. GORDON

RANK: O6

EMAIL: gordonr@lhd7.navy.mil

DATE: 12/23/2014

SIGNATURE: 

CO's signature denotes acceptance of all liabilities associated with
the procurement and use of this non - SHML hazardous material

Electronic submission of SHML Feedback Report/s constitutes CO's approval

Mail to:

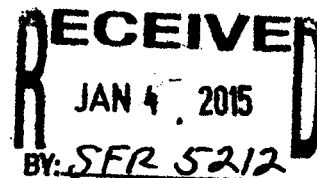
Commanding Officer, Naval Inventory Control Point
P.O. Box 2020, Code M0772.22
5450 Carlisle Pike, Mechanicsburg PA 17055-0788
Fax: DSN 430-3480 or COM 717-805-3480
Email: wraps.prime.fct@navy.mil

*Remarks: No longer
authorized for Shipboard
use.*

(Q)

Celona, Michael J CIV NAVSUP WSS, M077

From: Murphy, David LS2 (SW/AW) <murphyd@lhd7.navy.mil>
Sent: Sunday, January 04, 2015 8:13
To: wraps.prime.fct
Cc: Albert, Kevin L. LCDR (ASUPPO); Shiver, Joshua R. LT; Moore, Ian R. MMCS (SW) 3MC;
Oscar, Jean N. LSC (SW/AW); Clark, Kазzy F. BM1
Subject: USS IWO JIMA/SHML Feedback Report
Attachments: DOC.PDF



To Whom It May Concern,

Good afternoon, the HAZMAT Coordinator for USS IWO JIMA LHD 7 respectfully submits the attached SHML Feedback Report for your review.
Thank you.

V/r,

LS2 (SW/AW) Murphy
USS IWO JIMA LHD 7
FPO AA 34094-1664
SUPPLY/S-10
HAZMAT DIVISION
EXT 7638

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 06, 2015 13:47
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: USS IWO JIMA; 'Murphy, David LS2 (SW/AW)'; Albert, Kevin L. LCDR (ASUPPO); Shiver, Joshua R. LT; Moore, Ian R. MMCS (SW) 3MC; Oscar, Jean N. LSC (SW/AW); Clark, Kizzy F. BM1; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077
Subject: USS IWO JIMA: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5212

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Naval Surface Warfare Center, Carderock Division-Ships Systems Engineering Station (NSWCCD-SSES), Code 6350

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: Adriana Gil-Matos

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5212) GAMAZYME DESCALING, (Part# MIL-PRF-32217), NSN: 6850-01-531-4517
(d) POC for the USS Iwo Jima (LHD-7): LS2 (SW/AW) Murphy
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

Ref (b) has forwarded your SFR to ref (e) for further review and analysis. Upon ref (e) recommendation, NSWCCD TA will issue an authorization decision. At that time, ref (b) will advise all POC's of the final analysis (approval/disapproval) of ref (e) review. When the results of this analysis is complete, the SHML/T-SHML will be modified by ref (b) to reflect the appropriate information on its next update.

2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Sent: Monday, January 26, 2015 17:54
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Subject: RE: SFR 5212 FOR YOUR REVIEW
Signed By: adriana.gil-matos@navy.mil

*THIS IS THE ATTACHMENT!
see next page, sent to SFR
submitters
1-26-15*

Hi Mike,

This is the status for SFR 5212:

We are currently waiting for ISEA (NSWCCD C/631) who is currently working with our logistics personnel (NSWCCD C/94) to determine if a new NSN must be created for the new Gamazyme formulation or whether the current NSN 6850-01-531-4517 will be retained. Please provide this status information to the SFR submitter (LHD 7).

Very Respectfully,

=====

Adriana M. Gil Matos
Chemical Engineer
HAZMAT ISEA & Specialist
adriana.gil-matos@navy.mil
215-897-7336

NSWCCD Code 635, Solid Waste & HAZMAT ISE Branch
5001 S. Broad Street
Philadelphia, PA 19112

=====

"FOUO-PRIVACY SENSITIVE:

FOR OFFICIAL USE ONLY -PRIVACY SENSITIVE -Any misuse or unauthorized disclosure of this information may result in both criminal and civil penalties"

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 06, 2015 2:06 PM
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Subject: SFR 5212 FOR YOUR REVIEW

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 27, 2015 15:07
To: USS IWO JIMA; 'Murphy, David LS2 (SW/AW)'; Albert, Kevin L LCDR (ASUPPO); Shiver, Joshua R. LT; Moore, Ian R. MMCS (SW) 3MC; Oscar, Jean N. LSC (SW/AW); Clark, Kазzy F. BM1
Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350; Celona, Michael J CIV NAVSUP WSS, M077
Subject: RE: USS IWO JIMA: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5212
Attachments: RE: SFR 5212 FOR YOUR REVIEW (7.98 KB)
Signed By: mike.celona@navy.mil

LS2 (SW/AW) Murphy,

Please see attached for update concerning (SFR #5212) GAMAZYME DESCALING, (Part# MIL-PRF-32217), NSN: 6850-01-531-4517.

Respectfully,
Mike

Michael J. Celona
Environmental Protection Specialist
NAVSUP Weapon Systems Support (NWSS),
5450 Carlisle Pike,
Code N242
P.O. Box 2020
Mechanicsburg Pa. 17055-0788
Phone: (717) 605-8319
DSN: 430-8319
Fax: (717) 605-3480
DSN: Fax: 430-3480
mike.celona@navy.mil

"There is nothing, no circumstance, no trouble, no testing that can ever touch me until, first of all, it has come past God and past Christ, right through to me. If it has come that far it has come with a great purpose." Rev. Alan Redpath

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 06, 2015 1:47 PM
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: USS IWO JIMA; 'Murphy, David LS2 (SW/AW)'; Albert, Kevin L LCDR (ASUPPO); Shiver, Joshua R. LT; Moore, Ian R. MMCS (SW) 3MC; Oscar, Jean N. LSC (SW/AW); Clark, Kазzy F. BM1; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077
Subject: USS IWO JIMA: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5212

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code N242
To: Naval Surface Warfare Center, Carderock Division-Ships Systems
Engineering Station (NSWCCD-SSES), Code 6350

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet
(COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC),
Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT),
Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC),
Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK
REPORT (SFR)

Attn: Adriana Gil-Matos

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242,
Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or
DSN: 430-3480
(c) (SFR #5212) GAMAZYME DESCALING, (Part# MIL-PRF-32217),
NSN: 6850-01-531-4517
(d) POC for the USS Iwo Jima (LHD-7): LS2 (SW/AW) Murphy
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

Ref (b) has forwarded your SFR to ref (e) for further review and analysis. Upon ref (e) recommendation, NSWCCD TA will issue an authorization decision. At that time, ref (b) will advise all POC's of the final analysis (approval/disapproval) of ref (e) review. When the results of this analysis is complete, the SHML/T-SHML will be modified by ref (b) to reflect the appropriate information on its next update.

2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.




DEPARTMENT OF THE NAVY
NAVSUP WEAPON SYSTEMS SUPPORT
700 ROBBINS AVENUE
PHILADELPHIA PA 19111-5098
5450 CARLISLE PIKE - PO BOX 2020
MECHANICSBURG PA 17055-0788

COM & FTS 717-605-8319
DSN & EXT 430-8319
FAX # 717-605-3480
IN REPLY REFER TO:
4030
Ser N242/003
6 January 2015

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code M0772
To: Commanding Officer, Naval Surface Warfare Center, Carderock
Division-Ship Systems Engineering Station (NSWCCD-SSS),
Code 635
Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIAL LIST (SHML) FEEDBACK
REPORT (SFR)

Encl: (1) SHML SFR (SFR# 5212)

1. Enclosure (1) contains a packet of one (1) SFR (SFR# 5212) for your review/recommendation.
2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code 0772.23, DSN 430-8319 for (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.


Sandi Mukherjee
By Direction

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Thursday, January 08, 2015 9:45
To: USNS RICHARD E. BYRD (T-AKE 4) (abl@saltsmail.salts.navy.mil)
Cc: Armacost, Andrew H CIV MSC, N46; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Rowe, Arthur T CIV MSFSC, N41; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077
Subject: USNS RICHARD E. BYRD: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5213 (FINAL ANSWER)

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commanding Officer, USNS Richard E. Byrd (T-AKE 4)

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: Andrew Armacost

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5213) VISCOR CALIBRATION FLUID, (Part# 1487AW-2), NSN: None
(d) POC for the USNS Richard E. Byrd (T-AKE 4): Andrew Armacost
(e) Military Sealift Command (MSC) POC, Andrew Armacost, MSC CARGO Fuel And HAZMAT Manager/GSC - N46, Norfolk Va., Tel: (757) 443-0899

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) & (e). The following information provides the current status of your SFR.

Concerning ref (c) SFR# 5213 per ref (e):

Mike,

Good morning and thanks for taking time out to talk yesterday. IRT SFR 5213, R/request that "VISCOR 1487" be marked as "A" (Approved) on MSC's master T-SHML. As always, thank you for your time and support--both of which are greatly appreciated.

Very best regards,
Andrew

Mr. Andrew Armacost
MSC CARGO Fuel and Hazmat Manager/GSC - N46
471 East C Street
Bldg SP-64
Norfolk, VA 23511-2419
757-443-0899 Comm
757-710-2249
757-443-1506 Fax

Therefore Viscor Calibration Fluid, (Part# 1487AW-2), IS APPROVED FOR USE for open purchase. Therefore, no NSN assignment is required.

3. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Armacost, Andrew H CIV MSC, N46
Sent: Thursday, January 08, 2015 7:15
To: Celona, Michael J CIV NAVSUP WSS, M077
Subject: RE: SFR 5213 FOR YOUR REVIEW
Signed By: andrew.armacost@navy.mil

Mike,

Good morning and thanks for taking time out to talk yesterday. IRT SFR 5213, R/request that "VISCOR 1487" be marked as "A" (Approved) on MSC's master T-SHML.

As always, thank you for your time and support--both of which are greatly appreciated.

Very best regards,
Andrew

Mr. Andrew Armacost
MSC CARGO Fuel and Hazmat Manager/GSC - N46
471 East C Street
Bldg SP-64
Norfolk, VA 23511-2419
757-443-0899 Comm
757-710-2249
757-443-1506 Fax

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Wednesday, January 07, 2015 4:35 PM
To: Armacost, Andrew H CIV MSC, N46
Cc: Rowe, Arthur T CIV MSFSC, N41
Subject: SFR 5213 FOR YOUR REVIEW

ORIGINATOR: NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319 FAX: 717-605-3480, DSN: 430-3480			
REC'D AT NAVSUP WSS: 1/7/2015 FPO#: NONE – UIC#: 23194 TYCOM: SURFPAC			
TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5213 ATTACHED FROM (SHIP): USNS RICHARD E. BYRD (T-AKE 4) PRODUCT NAME: VISCOR CALIBRATION FLUID DATE ON SFR: 11/21/2014
NAVSUP WSS	1/7/2015	MC	NSN/NIIN: - - - CAGE: 3T347
NSWCCD			PART NUMBER/DRAWING/SPECIFICATION: 1487AW-2
ISEA			SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; O=Obsolete; N=Not Determined) NIS
			MSDS NUMBER: (NIH=Not In HMIRS) NIH
			MIP: NONE
			MRC: NONE
LCM/ISEA			MIP/MRC: NONE
			APL: X231912ARPY
			AEL: NONE
NAVSUP WSS			APL/AEL: NONE
			TECHNICAL MANUAL: NONE
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: NONE			NOTES: G/V4/H 15 GALLON DRUM. PRODUCT IS NOT FOUND IN NAVY SUPPLY SYSTEM.

RECEIVED
JAN 7 2015
BY: SFR 5213

SHIP'S HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

NIS
 NIT
 NIH
 NOT IN DSC

This form needs to be completed if the Hazardous Material that you want to purchase is not authorized on your T-SHML

SHIP NAME: USNS Richard E. Byrd HULL NUMBER: T-AKE 4 TYCOM: CHOOSE ONE
 UIC: N23194 Serial Number: 4323S004 AIRCRAFT RELATED: ☐ Yes ☒ NO

I. JUSTIFICATION (To include equipment/application this material is to be used on): CALIBRATION FLUID FOR TESTING MDG FUEL INJECTORS

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable): NOT APPLICABLE

II. TECHNICAL DATA

MAINTENANCE INDEX PAGE (MIP) #:

MAINTENANCE REQUIREMENT CARD (MRC #): NOT APPLICABLE APL OR AEL: FUEL INJECTOR
 APL# X231912ARFY

TECH MANUAL: REV. ESTIMATED YEARLY REQUIREMENT: FIVE GALLON

III. MANUFACTURER DATA (If requested NSN is provided proceed to section IV)

NSN: - - - NO NSN

MANUFACTURER: ROCK VALLEY OIL & CHEM CO PHONE: 815 - 986 - 3615
 654-2400

ITEM OR TRADE NAME: VISCOR CALIBRATION FLUID

PART NUMBER OR SPECIFICATION: 1487AW-2

UNIT OF ISSUE: DR UNIT OF MEASURE: 15 GL

MSDS ATTACHED
 G/V4/H

IV. ENDORSEMENTS

(b)(4)

REQUESTORS NAME: DAN MELINDO RANK: SUPPLY OFFICER
 EMAIL: DAN.MELINDO.CIV@AKE4.NAVY.MIL DATE PREPARED: 11/21/2014
 COMMANDER OR DESIGNEE NAME: LEE A. APSLEY RANK: CAPTAIN
 EMAIL: master.byrd@ake4.navy.mil DATE: 11/21/2014

SIGNATURE: 

CO's signature denotes acceptance of all liabilities associated with the procurement and use of this non-SHML hazardous material

Electronic submission of SHML Feedback Report/s constitutes CO's approval

Mail to:
 Commanding Officer, NAVSUP Weapons Systems Support
 P.O. Box 2020, Code M0772.22
 5450 Carlisle Pike, Mechanicsburg PA 17055-0788
 Fax: DSN 430-3480 or COM 717-605-3480
 Email: wraps.prime.fct@navy.mil

[»BINCS Home](#)[»FAQ](#)[»Disclaimer](#)[»Search](#)[»Links](#)[»Contact](#) **BINCS Information**

DUNS Number: 054356266

JCP Cert. Number:

CAGE Code: 3T347

CAGE InformationCompany Name: ROCK VALLEY OIL & CHEMICAL CO.,
INC.

CAGE Status: Active Record

CAGE U.S./Canada
Type: Manufacturer

SAM Expiration Date: 09/10/2014

Parent CAGE:

Address: 1911 WINDSOR RD

P.O. Box:

City: LOVES PARK

Zip: 61111-4253

CAO-ADP: S1403A-HQ0339

State: IL

County:

Voice Phone Number: 8156542400

Fax Phone Number: 8156542428

Date CAGE Code Established: 11/01/1981

CAGE Last Updated: 09/10/2014

Point of Contact: BRAD SARVER

Company Web Site: HTTP://WWW.ROCKVALLEYOIL.COM

Immediate Owner

Information Unavailable

List of Offerors using as an owner

<u>CAGE</u>	<u>Owner Type</u>	<u>Legal Name</u>
-------------	-------------------	-------------------

There are no Offerors using this CAGE as an owner



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Engine Oil
 Agricultural Oils
 Food Oils
 Aerosols
 Cleaning Products
 Gear Oils
 Grease
 Hydraulic Oils
 Industrial & Speciality Products
 Motorcycle & Marine Oils
 Steam & Vintage Oils
 Transmission Oils

Viscor 1487 AW2 Calibration Fluid

Viscor 1487 AW2 Calibration Fluid



Viscor Calibration Fluid 1487AW-2 is used to calibrate, flow test and flush diesel fuel in and piping in both OEM and recon applications.

It is formulated to provide guaranteed viscosity and specific gravity (density) ranges, fuel protection, light color for leak testing, oxidation stability for long test and sump life, anti resistance and a high flash point (OSHA Class IIIA) for reduced risk of fire.

The product is filtered to 5 microns (absolute)

Viscor Calibration Fluid 1487AW-2 exceeds the requirements of SAE J967 and ISO 4113. It provides anti-wear protection and used by all major fuel system, engine and test stand manufacturers.



(b)(4)

5.0 L

Quantity

Rock Valley Oil & Chemical Co., • 1911 Windsor Road, Rockford • IL, U.S.A. 61111 • Phone (815) 654-2400

SAFETY DATA SHEET

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product identifier: Viscor Calibration Fluid 1487 AW-2

Product use: Calibration Fluid

Supplier name and address:

Rock Valley Oil & Chemical Co.

1911 Windsor Road

Rockford, IL, 61111 USA

Phone: (815) 654-2400

Manufacturer's name and address:

Refer to Supplier

24 Hour Emergency Telephone #: (INFOTRAC) 800-535-5053

SECTION 2 — HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Straw liquid. Mild Kerosene-like odor.

Combustible liquid and vapor. May be harmful if swallowed. Can enter lungs and cause damage.

Harmful if inhaled. Can cause headache, nausea and other central nervous system effects. May cause skin and eye irritation.

Contains material that may cause liver or kidney effects, based on animal data.

POTENTIAL HEALTH EFFECTS

Target organs: Eyes, skin, and respiratory system.

Routes of exposure: Skin contact, eye contact, inhalation, ingestion.

Signs and symptoms of short-term (acute) exposure:

Inhalation: Inhalation may cause irritation to the nose, throat, and respiratory tract.

Skin contact: Skin contact may cause mild to moderate irritation.

Eye contact: Direct eye contact may cause mild irritation.

Ingestion: This product presents an aspiration hazard. Aspiration into the lungs following ingestion and subsequent vomiting may cause lung injury.

Chronic effects: Repeated or prolonged skin exposure may result in drying, cracking and defatting of the skin (dermatitis).

Repeated overexposure may cause a rare reaction in hypersensitive individuals.

Conditions aggravated by exposure: Pre-existing skin, eye, respiratory, kidney, liver, blood and central nervous system disorders.

Carcinogenic status: See TOXICOLOGICAL INFORMATION, Section 11.

Additional health hazards: See TOXICOLOGICAL INFORMATION, Section 11.

Potential environmental effects: See ECOLOGICAL INFORMATION, Section 12.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>		<u>PEL</u>	<u>STEL</u>
		<u>% (weight)</u>	<u>TWA</u>	<u>STEL</u>		
Petroleum Hydrocarbon	64742-47-8	60 – 70	N/Av	N/Av	400 ppm	N/Av
Light Naphthenic	64742-53-6	15 – 40	5.00 mg/m ³	N/Av	5.00 mg/m ³	N/Av

These materials are classified as hazardous under OSHA regulations (29CFR 1910.1200).

Rock Valley Oil & Chemical Co. • 1911 Windsor Road, Rockford • IL, U.S.A. 61111 • Phone (815) 654-2400

SECTION 4 — FIRST AID MEASURES

Inhalation: If inhaled, immediately remove victim to fresh air. If not breathing, give artificial respiration. Obtain medical attention immediately.

Skin contact: Immediately remove contaminated clothing and shoes. Wash skin thoroughly with mild soap and running water. Obtain medical attention if irritation persists. Launder clothing before reuse.

Eye contact: Flush eyes with running water for at least 15 minutes. Obtain medical attention if irritation persists.

Ingestion: If swallowed, DO NOT induce vomiting. Obtain medical attention immediately. Never give anything by mouth to an unconscious or convulsing person. Guard against aspiration into the lungs.

Note to Physicians: Treat symptomatically.

SECTION 5 — FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability: Combustible liquid. This material may be ignited when exposed to extreme heat, direct flame and other sources of ignition. Vapors are heavier than air and will collect in low-lying areas and confined spaces. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Product will float and may be re-ignited at the water's surface.

Flammability classification (OSHA 29 CFR 1910.1200): Combustible liquid Class IIIA.

Flash point (Method): >160°F (Tag Closed Cup)

Auto-ignition temperature: >760°F

Lower flammable limit (% by volume): N/Av

Upper flammable limit (% by volume): N/Av

Explosion data: *Sensitivity to mechanical impact / static discharge:* Not expected to be sensitive to mechanical impact or static discharge.

Oxidizing properties: N/Av

Suitable extinguishing media: Use water fog, dry chemical, carbon dioxide or foam.

Special fire-fighting procedures/equipment: Firefighters should wear proper protective equipment and a self-contained breathing apparatus. Move containers from fire area if it can be done without risk. Water spray may be useful in minimizing or dispersing vapors, and cooling equipment and containers exposed to heat and flame. Avoid spreading burning liquid with water spray used for cooling purposes.

Hazardous combustion products: Carbon oxides and other irritating fumes and smoke.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate chemically protective equipment. Keep all other personnel upwind and away from the spill/release. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

Environmental precautions: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. Dike far ahead of the spill with non-combustible, inert absorbent material.

Spill response/Cleanup: Eliminate all sources of ignition. Ventilate area of release. Stop leak if you can do so without risk. Use only non-sparking tools during the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand, earth), then place absorbent material into a suitable container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Prohibited materials: None known.

Special spill response procedures: If a spill/release in excess of EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).

DOT/CERCLA Reportable quantity (RQ): None

Rock Valley Oil & Chemical Co., • 1911 Windsor Road, Rockford • IL, U.S.A. 61111 • Phone (815) 654-2400

SECTION 7 — HANDLING AND STORAGE

Safe handling procedures: Wear appropriate protective equipment during handling. Use in a well-ventilated area. Avoid inhalation of vapors. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep away from heat, flame and other sources of ignition. Use non sparking tools. Ground all equipment during handling operations. Keep away from incompatibles (see Section 10). Use caution when opening cap. Keep container tightly closed when not in use. Assume empty containers contain residues, which are hazardous.

Storage requirements: Store in a cool, dry, well-ventilated area away from all sources of ignition, incompatible materials and direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

Special packaging materials: Always keep in containers made of the same materials as the supply container.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls: Use sufficient mechanical or local exhaust ventilation to maintain exposure below TLV's.

Respiratory protection: Use NIOSH-approved respirators if airborne concentrations are above recommended TLV's or are not known. Advice should be sought from respiratory protection specialists.

Skin protection and other protective equipment: It is recommended that protective gloves impervious to the material be worn at all times during use. Confirmation of what type of material is most suitable for the intended application, should be obtained from glove suppliers. An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.

Eye / face protection: Chemical splash goggles to prevent direct contact, irritation, or injury.

General hygiene considerations: Avoid breathing vapors or mists. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when working. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

Permissible exposure levels: For individual ingredient exposure levels, see Section 2.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical form, color and odor: Straw liquid. Kerosene-like odor.

Odor threshold: N/Av

Boiling point: 156-271°C / 313-520°F

Specific gravity (water=1): 0.8200

Coefficient of oil/water distribution: N/Av

Solubility in water (%): Insoluble.

Volatile organic compounds (VOC's): N/Av

pH: N/Av

Evaporation rate (nBuAC=1): N/Av

Melting/freezing point: N/Av

Vapor pressure (mmHg): 0.04 @ 20°C

Vapor density (Air=1): Heavier than air

Percent Volatile by Volume: 49%

SECTION 10 — REACTIVITY AND STABILITY DATA

Stability and reactivity: Stable under the recommended storage and handling conditions prescribed.

Hazardous polymerization: Will not occur.

Conditions to avoid: Extreme heat, open flame and other sources of ignition.

Materials to avoid (incompatibles): Strong oxidizing agents.

Hazardous decomposition products: None known. Refer to 'Hazardous combustion products', Section 5.

SECTION 11 — TOXICOLOGICAL INFORMATION

Toxicological data: There is no available data for the product itself.

Carcinogenic status: None of the ingredients listed are classified as carcinogenic by IARC, ACGIH or NTP.

Reproductive effects, Teratogenicity, Mutagenicity: None known.

Sensitization to material: No skin or respiratory sensitization effects are known.

Other important hazards: None known.

Synergistic materials: Not available.

Rock Valley Oil & Chemical Co., • 1911 Windsor Road, Rockford • IL, U.S.A. 61111 • Phone (815) 654-2400

SECTION 12 — ECOLOGICAL INFORMATION

Chemical fate information: The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. Do not discharge product unmonitored into the environment.

Ecotoxicological information: There is no data available on the product itself.

SECTION 13 — DISPOSAL CONSIDERATIONS

Handling for disposal: Empty containers may contain product residue or vapors. Do not use cutting torch on empty containers. Handle according to recommendations listed in Section 7.

Methods of disposal: Dispose in accordance with all applicable federal, state, provincial and/or local regulations. Contact your local, state, provincial and/or federal environmental agency for specific rules.

RCRA: If this product, as supplied, becomes a waste, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. Under the RCRA, it is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 — TRANSPORTATION INFORMATION

US 49 CFR information:

Proper Shipping Name: Combustible Liquid N.O.S.

Hazard Class - Primary: 3

Identification No.: NA1993

Hazard Class(es) - Subsidiary: None

Packing Group: III

RQ Components: None

Marine Pollutant: None

Special Transportation Notes: In accordance with 49 CFR Section 173.150 (f) (1), non-bulk quantities of this material, less than 450 l container, (less than 119 gallon container), may be shipped as non-regulated.

SECTION 15 — REGULATORY INFORMATION

US Federal Information:

TSCA information: All ingredients are listed on the TSCA inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None

SARA TITLE III:

Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present.

Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Immediate (Acute); Delayed (Chronic);

Fire Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds for extremely hazardous substances are 500 pounds or the individual chemical's threshold planning quantity (TPQ), whichever is lower; and 10,000 pounds for all other hazardous chemicals.

Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements.

US State Right to Know Laws:

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

International Information:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

Canadian CEPA information: All ingredients are present on the DSL.

Rock Valley Oil & Chemical Co., • 1911 Windsor Road, Rockford • IL, U.S.A. 61111 • Phone (815) 654-2400

SECTION 16 — OTHER INFORMATION

NFPA Rating:

0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 Flammability: 2 Instability: 0 Special Hazard: None

HMIS Rating:

* - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: *1 Flammability: 2 Reactivity: 0

Legend: ACGIH: American Conference of Governmental Industrial Hygienists
CERCLA: US Comprehensive Environmental Response, Compensation, and Liability Act of 1980
NIOSH: National Institute of Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
RTECs: Registry of Toxic Effects of Chemical Substances
SARA: US Superfund Amendments & Reauthorization Act
WHMIS: Canadian Workplace Hazardous Materials Identification System
CAS: Chemical Abstract Services
DOT: US Department of Transportation
EPA: US Environmental Protection Agency
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
NTP: National Toxicology Program
RCRA: US Resource Conservation and Recovery Act
TCC: Tag Closed Cup
TWA: Time Weighted Average
CFR: US Code of Federal Regulations
DSL: Canadian Domestic Substances List
N/Ap: not applicable
N/Av: not available
NFPA: National Fire Protection Association
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
TLV: Threshold Limit Values
TSCA: Toxic Substance Control Act

- References:**
1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2006.
 2. International Agency for Research on Cancer Monographs, searched 2007.
 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2007 (Chempendium and RTECs).
 4. Material Safety Data Sheet from manufacturer.
 5. US EPA Title III List of Lists – January 27, 2005 version.
 6. California Proposition 65 List – December 8, 2006 version.

Prepared by: Rock Valley Oil & Chemical Co.
Telephone No.: 815-654-2400
Preparation date: September 27, 2013

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. This MSDS was prepared, and is to be used, for this product only. If the product is used as a component in another product, this information may not be applicable. This document is generated for the purpose of distributing occupational health, safety and environmental data.

END OF DOCUMENT

Celona, Michael J CIV NAVSUP WSS, M077

From: Armacost, Andrew H CIV MSC, N46
Sent: Wednesday, January 07, 2015 8:51
To: Celona, Michael J CIV NAVSUP WSS, M077
Subject: SFR Viscor 1487 AW2 Calibration Fluid
Attachments: SHML.pdf; VISCOR 1487 AW2.pdf; Viscor Calibration Fluid 1487 AW-2 9-27-13.pdf
Signed By: andrew.armacost@navy.mil

Mike,

Morning. This SFR came to me vice you. Can you assign an SFR# and work your magic?

MSC

THANKS and all the best,
Andrew

RECEIVED
JAN 7 2015
BY: SFR 5213

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Wednesday, January 07, 2015 16:30
To: Armacost, Andrew H CIV MSC, N46
Cc: USNS RICHARD E. BYRD (T-AKE 4) (abl@saltsmail.salts.navy.mil); 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Rowe, Arthur T CIV MSFSC, N41; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077
Subject: USNS RICHARD E. BYRD: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5213

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commanding Officer, Military Sealift Command (MSC) N41, Norfolk Virginia

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: Andrew Armacost

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5213) VISCOR CALIBRATION FLUID, (Part# 1487AW-2), NSN: None
(d) POC for the USNS Richard E. Byrd (T-AKE 4): Andrew Armacost
(e) Military Sealift Command (MSC) POC, Andrew Armacost, MSC CARGO Fuel And HAZMAT Manager/GSC - N46, Norfolk Va., Tel: (757) 443-0899

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) & (e). The following information provides the current status of your SFR.

Ref (b) has forwarded your SFR to ref (e) for further review and analysis. Upon ref (e) recommendation, MSC TA will issue an authorization decision. At that time, ref (b) will advise all POC's of the final analysis (approval/disapproval) of

ref (e) review. When the results of this analysis is complete, the SHML/T-SHML will be modified by ref (b) to reflect the appropriate information on its next update.

2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.



DEPARTMENT OF THE NAVY

NAVSUP WEAPON SYSTEMS SUPPORT

700 ROBBINS AVENUE
PHILADELPHIA PA 19111-5098

5450 CARLISLE PIKE - PO BOX 2020
MECHANICSBURG PA 17055-0788

COM & FTS 717-605-8319
DSN & EXT 430-8319
FAX # 717-605-3480
IN REPLY REFER TO:
4030
Ser 0772/004
7 January 2015

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code M0772
To: Commanding Officer, Military Sealift Command (MSC) N41,
Norfolk Virginia
Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIAL LIST (SHML)
FEEDBACK REPORT (SFR)

Encl: (1) SHML SFR (SFR# 5213)

1. Enclosure (1) contains a packet of one (1) SFR (SFR# 5213) for your review/recommendation.
2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code 0772.23, DSN 430-8319 for (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480

For Jeff Whitman
By Direction

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 27, 2015 14:50
To: USS GRIDLEY (bdx@saltsmail.salts.navy.mil); 'Bonilla, Armando LS3'
Cc: 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: USS GRIDLEY: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5214

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commander, USS Gridley (DDG-101)

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: LS3 Armando Bonilla

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5214) VALCO HYLOMAR AEROGRADE SEALING COMPOUND, (Part# PL32-710XX291-LIGHT), NSN: 8030-01-152-0969
(d) POC for the USS Gridley (DDG-101): LS3 Armando Bonilla
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

2. Concerning ref (c) SFR# 5214 per ref (e):

Mike,

USS Gridley (DDG 101)

SFR # 5214: The SFR requested material (NSN 8030-01-152-0969; Sealing Compound) is required per technical directive "High Speed Pinion Bolt Replacement and Joint Inspection" (applicable to MODEL AG9140RF ANCILLARY EQUIPMENT BULLETIN (AYB) NR. 9140RF-026, Feb 12 2013). Per NSWCCD Code 934, the maintenance is to be performed by Ship's Force. Therefore, the requested material should be authorized on the DDG T-SHML with AOB R - Restricted. SHML remarks should be updated to the following, "Use IAW technical directive Model AG9140RF Ancillary Equipment Bulletin (AYB) NR. 9140RF-026, Feb 12 2013; Other applications see alt NIINs." The MMI, as well as the AOB on the Master SHML, should remain as is.

Very Respectfully,
Adriana M. Gil Matos
Chemical Engineer
HAZMAT ISEA & Specialist
adriana.gil-matos@navy.mil
215-897-7336

NSWCCD Code 635, Solid Waste & HAZMAT ISE Branch
5001 S. Broad Street
Philadelphia, PA 19112

Therefore, NSN 8030-01-152-0969 IS APPROVED FOR USE and has been updated in the Master SHML and the DDG T-SHML with an AOB code of "R" (RESTRICTED FOR USE IAW TECHNICAL DIRECTIVE MODEL AG9140RF ANCILLARY EQUIPMENT BULLETIN (AYB) NR. 9140RF-026, FEB 12 2013; OTHER APPLICATIONS SEE ALT NIIN).

3. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Sent: Tuesday, January 27, 2015 13:15
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Shull-Archer, Karen E CIV NSWCCD Philadelphia, Code 635; He, Marianne C CIV NSWCCD Philadelphia, 6350; Iaconianni, Frank J CIV NSWCCD Philadelphia, 6350
Subject: RE: SFR 5214 FOR YOUR REVIEW
Signed By: adriana.gil-matos@navy.mil

Mike,

USS Gridley (DDG 101)

SFR # 5214: The SFR requested material (NSN 8030-01-152-0969; Sealing Compound) is required per technical directive "High Speed Pinion Bolt Replacement and Joint Inspection" (applicable to MODEL AG9140RF ANCILLARY EQUIPMENT BULLETIN (AYB) NR. 9140RF-026, Feb 12 2013). Per NSWCCD Code 934, the maintenance is to be performed by Ship's Force. Therefore, the requested material should be authorized on the DDG T-SHML with AOB R- Restricted. SHML remarks should be updated to the following, "Use IAW technical directive Model AG9140RF Ancillary Equipment Bulletin (AYB) NR. 9140RF-026, Feb 12 2013; Other applications see alt NIINs." The MMI, as well as the AOB on the Master SHML, should remain as is.

good (R) 9B 2/F8/H

yes R
CV/DC/OT

Very Respectfully,

=====
Adriana M. Gil Matos
Chemical Engineer

ORIGINATOR:

**NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319
FAX: 717-605-3480, DSN: 430-3480**

REC'D AT NAVSUP WSS: 1/8/2015 FPO#: AP96666 - 1210 UIC#: 23151 TYCOM: SURFPAC

TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5214 ATTACHED FROM (SHIP): USS GRIDLEY (DDG-101) PRODUCT NAME: VALCO HYLOMAR AEROGRADE SEALING COMPOUND DATE ON SFR: 1/3/2015
NAVSUP WSS	1/8/2015	MC	NSN/NIIN: 8030-01-152-0969 CAGE: 1ZC62 PART NUMBER/DRAWING/SPECIFICATION: PL32-710XX291 (LIGHT)
ISEA			SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; O=Obsolete; N=Not Determined) P
			MSDS NUMBER: (NIH=Not In HMIRS) DJMPV
			MIP: NONE
			MRC: NONE
LCM/ISEA			MIP/MRC: NONE
			APL: NONE
			AEL: NONE
NAVSUP WSS			APL/AEL: NONE
			TECHNICAL MANUAL: ANCILLARY EQUIPEMENT BULLETIN REV. (AYB) NR. 9140RF-026
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: 4667 & 5015			NOTES: T/T6/H 100 GRAM TUBE.

Current Date: 11/01/2013

RECEIVED
JAN 8 2015
BY: SFR 5214

**SHIP'S HAZARDOUS MATERIALS LIST (SHML)
FEEDBACK REPORT (SFR)**

Master R
T-SHML - (P)

This form needs to be completed if the Hazardous Material
that you want to purchase is not authorized on your T-SHML

SHIP NAME: USS GRIDLEY

HULL NUMBER: DDG-101

TYCOM: SURFPAC

UIC: R23151

Serial Number:

AIRCRAFT RELATED: ☐ Yes ☒ No

I. JUSTIFICATION (To include equipment/application this material is to be used on):
MATERIAL IS REQUIRED AS PER MODEL AG9140RF ANCILLARY EQUIPMENT BULLETIN (AYB) NR. 9140RF-026, HIGH SPEED PINION BOLT REPLACEMENT AND JOINT INSPECTION FOR SSS CLUTCH REINSTALLATION.

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable): NONE AVAILABLE

II. TECHNICAL DATA

See SFR 4667 & 5015

MAINTENANCE INDEX PAGE (MIP) #: N/A

MAINTENANCE REQUIREMENT CARD (MRC #: N/A

APL OR AEL: N/A

TECH MANUAL: ANCILLARY EQUIPMENT BULLETIN REV.
(AYB) NR. 9140RF-026

ESTIMATED YEARLY REQUIREMENT: UNKNOWN

III. MANUFACTURER DATA (If requested NSN is provided proceed to section IV)

9B NSN: 8030 01 152 0969

MANUFACTURER: VALCO CINCINNATI INC

513-874-6530
PHONE: 800 - 535 - 5053

ITEM OR TRADE NAME: VALCO HYLOMAR AERO GRADE (PL32) 710XX291 (LIGHT), 710XXX292 (MEDIUM)

PART NUMBER OR SPECIFICATION: *PL32-710XX291 (LIGHT)*

DJMPV
1/16/14

UNIT OF ISSUE: TU

UNIT OF MEASURE: 100.0 GRAMS

IV. ENDORSEMENTS

REQUESTORS NAME: ARMANDO BONILLA

RANK: LS3/E4

EMAIL: BONILLA@DDG101.NAVY.MIL

DATE PREPARED: 01/03/2015

COMMANDER OR DESIGNEE NAME: MARK S. NIESWIADOMY

RANK: CDR/O-5

EMAIL: CO@DDG101.NAVY.MIL

DATE: *1/7/15*

SIGNATURE: *[Signature]*

CO's signature denotes acceptance of all liabilities associated with
the procurement and use of this non-SHML hazardous material

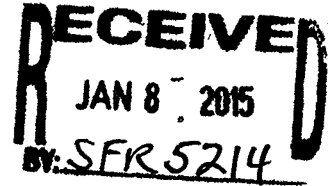
Electronic submission of SHML Feedback Report/s constitutes CO's approval

Mail to:

Commanding Officer, Naval Inventory Control Point
P.O. Box 2020, Code M0772.22
5450 Carlisle Pike, Mechanicsburg PA 17055-0788
Fax: DSN 430-3480 or COM 717-605-3480
Email: wraps.prime.fct@navy.mil

Celona, Michael J CIV NAVSUP WSS, M077

From: Bonilla, Armando LS3 <bonilla@ddg101.navy.mil>
Sent: Thursday, January 08, 2015 13:10
To: wraps.prime.fct
Cc: DDG101 S-1
Subject: SFR Request
Attachments: Bulletin.pdf; MSDS.pdf; SFR Form.pdf



Dear Sir/Ma'am

Please see attached files for USS Gridley SFR request. Material requested is prohibited in DDG SHML as of January 2015.

Thank you for your assistance and support.

V/r

LS3 Armando Bonilla

USS Gridley DDG-101

Supply Support

FPO, AP 96666-1210

COMM: 619-556-4057

DSN: 526-4057

AT SEA: 619-545-4763

bonilla@ddg101.navy.mil

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Thursday, January 08, 2015 8:55
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: USS GRIDLEY (bdx@saltsmail.salts.navy.mil); 'Bonilla, Armando LS3'; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077
Subject: USS GRIDLEY: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5214

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Naval Surface Warfare Center, Carderock Division-Ships Systems Engineering Station (NSWCCD-SSES), Code 635

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: Adriana Gil-Matos

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5214) VALCO HYLOMAR AEROGRADE SEALING COMPOUND, (Part# PL32-710XX291-LIGHT), NSN: 8030-01-152-0969
(d) POC for the USS Gridley (DDG-101): LS3 Armando Bonilla
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

Ref (b) has forwarded your SFR to ref (e) for further review and analysis. Upon ref (e) recommendation, NSWCCD TA will issue an authorization decision. At that time, ref (b) will advise all POC's of the final analysis (approval/disapproval) of ref (e) review. When the results of this analysis is complete, the SHML/T-SHML will be modified by ref (b) to reflect the appropriate information on its next update.

2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.



DEPARTMENT OF THE NAVY

NAVSUP WEAPON SYSTEMS SUPPORT

700 ROBBINS AVENUE
PHILADELPHIA PA 19111-5098

5450 CARLISLE PIKE - PO BOX 2020
MECHANICSBURG PA 17055-0788

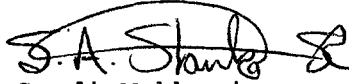
COM & FTS 717-605-8319
DSN & EXT 430-8319
FAX # 717-605-3480
IN REPLY REFER TO:
4030
Ser N242/005
8 January 2015

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code M0772
To: Commanding Officer, Naval Surface Warfare Center, Carderock
Division-Ship Systems Engineering Station (NSWCCD-SSES),
Code 635

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIAL LIST (SHML) FEEDBACK
REPORT (SFR)

Encl: (1) SHML SFR (SFR# 5214)

1. Enclosure (1) contains a packet of one (1) SFR (SFR# 5214) for your review/recommendation.
2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code 0772.23, DSN 430-8319 for (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.


For Sandi Mukherjee
By Direction

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Wednesday, January 28, 2015 9:40
To: USS FREEDOM (bev@saltsmail.salts.navy.mil); Jordan, Sharron Y CIV NAVSUP FLC San Diego, Code 441
Cc: 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350; Eisenbarger, John CIV NSWCCD Philadelphia, 9450
Subject: USS FREEDOM: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5215 (FINAL ANSWER)

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commander, USS Freedom (LCS-1)

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: John Eisenbarger

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5215) UNACTIVATED CHEMILUMINESCENT, (Part# 8-50101N), NSN: 6260-01-086-8077
(d) POC for the USS Freedom (LCS-1): John Eisenbarger
(e) NSWCCD-SSES Philadelphia, Pa POC John Eisenbarger, Tel: (215) 897-7434

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

2. Concerning ref (c) SFR# 5215 per ref (e):

Mike,

The ISEA has determined that the NSN referred to in this SFR is not the correct item and would like to cancel it.

Respectfully,
John D. Eisenbarger
Logistic Management Specialist
TSA for HAZMAT Requests
NSWCCD-SSES Code: 9450
☎: 215-897-7434 (DSN:443-7434)
Fax: 215-897-1137

Therefore, the SFR request for NSN 6260-01-086-8077 has been cancelled. No further action will be taken for NSN 6260-01-086-8077. Therefore, SFR 5215 is closed.

3. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Eisenbarger, John CIV NSWCCD Philadelphia, 9450
Sent: Wednesday, January 28, 2015 9:11
To: Celona, Michael J CIV NAVSUP WSS, M077
Subject: RE: USS USS FREEDOM: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5215
Signed By: john.eisenbarger@navy.mil

Mike,

The ISEA has determined that the NSN referred to in this SFR is not the correct item and would like to cancel it.

*SFR Request Cancelled
per SFR submitter.*

Respectfully,
John D. Eisenbarger
Logistic Management Specialist
TSA for HAZMAT Requests
NSWCCD-SSES Code: 9450
☎: 215-897-7434 (DSN:443-7434)
Fax: 215-897-1137

Email:john.eisenbarger@navy.mil

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Thursday, January 08, 2015 12:21 PM
To: Eisenbarger, John CIV NSWCCD Philadelphia, 9450
Cc: USS FREEDOM (bev@saltmail.salts.navy.mil); Jordan, Sharron Y CIV NAVSUP FLC San Diego, Code 441; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: USS USS FREEDOM: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5215

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Naval Surface Warfare Center, Carderock Division-Ships Systems Engineering Station (NSWCCD-SSES), Code 635

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK

ORIGINATOR:

NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319
FAX: 717-605-3480, DSN: 430-3480

REC'D AT NAVSUP WSS: 1/8/2015 FPO#: AP96601 - 0102 UIC#: 20126 TYCOM: SURFPAC

TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5215 ATTACHED FROM (SHIP): USS FREEDOM (LCS-1) PRODUCT NAME: UNACTIVATED CHEMILUMINESCENT PRODUCT DATE ON SFR: 1/8/2015
NAVSUP WSS	1/8/2015	MC	NSN/NIIN: 6260-01-086-8077 CAGE: 0BY83 PART NUMBER/DRAWING/SPECIFICATION: 8-50101N
NSWCCD			SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; NIS O=Obsolete; N=Not Determined)
ISEA			MSDS NUMBER: (NIH=Not In HMIRS) ZZJTN MIP: NONE MRC: NONE
LCM/ISEA			MIP/MRC: NONE APL: NONE AEL: NONE
NAVSUP WSS			APL/AEL: NONE TECHNICAL MANUAL: MID MARK M11D
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: NONE			NOTES: 5/N1/A UNIT OF ISSUE = BOX.

AP96601-0102

Current Date: 1/8/2015

RECEIVED
JAN 8 2015

**SHIP'S HAZARDOUS MATERIALS LIST (SHML)
FEEDBACK REPORT (SFR)**

BY: SFR 5215

This form needs to be completed if the Hazardous Material
that you want to purchase is not authorized on your T-SHML

SHIP NAME: USS Freedom

HULL NUMBER: LCS-1

TYCOM: NAVSEA

UIC: N20126

Serial Number:

AIRCRAFT RELATED: ☐ Yes ☒ No

I. JUSTIFICATION (To include equipment/application this material is to be used on):
General use throughout the ship, please add to Master SHML as well as LCS SHML

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable):

II. TECHNICAL DATA

MAINTENANCE INDEX PAGE (MIP) #:

MAINTENANCE REQUIREMENT CARD (MRC #):

APL OR AEL:

TECH MANUAL:

REV.

ESTIMATED YEARLY REQUIREMENT:

III. MANUFACTURER DATA (If requested NSN is provided proceed to section IV)

90 NSN: 6260 - 01 - 086 - 8077

MANUFACTURER: CYALUME TECHNOLOGIES INC. PHONE: 413 - 739 - 8252

ITEM OR TRADE NAME: UNACTIVATED CHEMILUMINESCENT PRODUCT

PART NUMBER OR SPECIFICATION: 8-50101N

UNIT OF ISSUE: BX

UNIT OF MEASURE: BX

Cage # 08483

ZZJTN
5/NI/A

IV. ENDORSEMENTS

REQUESTORS NAME: John Eisenbarger

RANK:

EMAIL: John.eisenbarger@navy.mil

DATE PREPARED:

COMMANDER OR DESIGNEE NAME:

RANK:

EMAIL:

DATE:

SIGNATURE:

CO's signature denotes acceptance of all liabilities associated with
the procurement and use of this non-SHML hazardous material

Electronic submission of SHML Feedback Report/s constitutes CO's approval

Mail to:

Commanding Officer, NAVSUP Weapons Systems Support

P.O. Box 2020, Code M0772.22

5450 Carlisle Pike, Mechanicsburg PA 17055-0788

Fax: DSN 430-3480 or COM 717-605-3480

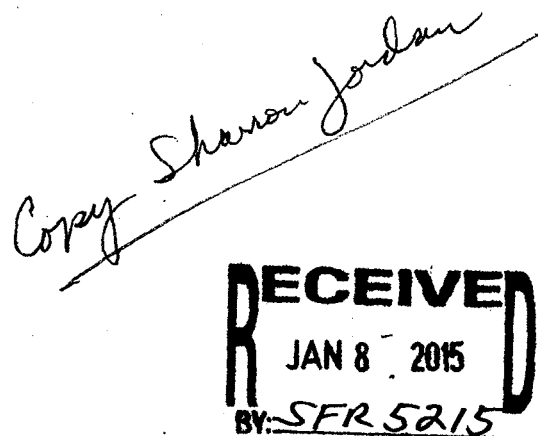
Email: wraps.prime.fct@navy.mil

Celona, Michael J CIV NAVSUP WSS, M077

From: Eisenbarger, John CIV NSWCCD Philadelphia, 9450
Sent: Thursday, January 08, 2015 10:13
To: Celona, Michael J CIV NAVSUP WSS, M077
Subject: RE: SFR 5137 CAGE CHANGE REQUEST FROM CAGE Z5104 CHANGE TO CAGE F5546
Attachments: SHML add Request.docx
Signed By: john.eisenbarger@navy.mil

Thanks Mike,
here is the request I told you about over the phone.

Respectfully,
John D. Eisenbarger
TSA for HAZMAT Requests
NSWCCD-SSES Code: 9450
☎: 215-897-7434 (DSN:443-7434)
Fax: 215-897-1137
Email:john.eisenbarger@navy.mil



-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Thursday, January 08, 2015 10:07 AM
To: Eisenbarger, John CIV NSWCCD Philadelphia, 9450
Cc: Stanko, Scott CIV NAVSUP WSS, M077
Subject: FW: SFR 5137 CAGE CHANGE REQUEST FROM CAGE Z5104 CHANGE TO CAGE F5546

John,

Mission accomplished. NSN in SHML is marked for deletion.

Mike

-----Original Message-----

From: Stanko, Scott CIV NAVSUP WSS, M077
Sent: Thursday, January 08, 2015 9:26 AM
To: Celona, Michael J CIV NAVSUP WSS, M077
Subject: RE: SFR 5137 CAGE CHANGE REQUEST FROM CAGE Z5104 CHANGE TO CAGE F5546

Mike,

I concur. I would mark the SHML record for deletion since the NIIN is not in Navy ERP or in WEB FLIS.

If you have any questions, please ask.
And by the way,
HAVE A HAPPY DAY

Scott A Stanko Sr, CIV

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Thursday, January 08, 2015 12:21
To: Eisenbarger, John CIV NSWCCD Philadelphia, 9450
Cc: USS FREEDOM (bev@saltsmail.salts.navy.mil); Jordan, Sharron Y CIV NAVSUP FLC San Diego, Code 441; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: USS USS FREEDOM: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5215

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Naval Surface Warfare Center, Carderock Division-Ships Systems Engineering Station (NSWCCD-SSES), Code 635

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: John Eisenbarger

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5215) UNACTIVATED CHEMILUMINESCENT, (Part# 8-50101N), NSN: 6260-01-086-8077
(d) POC for the USS Freedom (LCS-1): John Eisenbarger
(e) NSWCCD-SSES Philadelphia, Pa POC John Eisenbarger, Tel: (215) 897-7434

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

Ref (b) has forwarded your SFR to ref (e) for further review and analysis. Upon ref (e) recommendation, NSWCCD TA will issue an authorization decision. At that time, ref (b) will advise all POC's of the final analysis (approval/disapproval) of

ref (e) review. When the results of this analysis is complete, the SHML/T-SHML will be modified by ref (b) to reflect the appropriate information on its next update.

2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.



DEPARTMENT OF THE NAVY

NAVSUP WEAPON SYSTEMS SUPPORT

700 ROBBINS AVENUE
PHILADELPHIA PA 19111-5098

5450 CARLISLE PIKE - PO BOX 2020
MECHANICSBURG PA 17055-0788

COM & FTS 717-605-8319
DSN & EXT 430-8319
FAX # 717-605-3480
IN REPLY REFER TO:
4030

Ser N242/006
8 January 2015

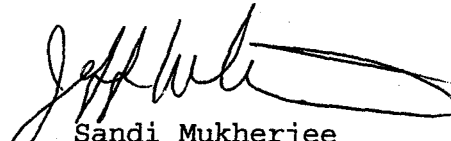
From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code M0772

To: Commanding Officer, Naval Surface Warfare Center, Carderock
Division-Ship Systems Engineering Station (NSWCCD-SSS),
Code 635

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIAL LIST (SHML) FEEDBACK
REPORT (SFR)

Encl: (1) SHML SFR (SFR# 5215)

1. Enclosure (1) contains a packet of one (1) SFR (SFR# 5215) for your review/recommendation.
2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code 0772.23, DSN 430-8319 for (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.


Sandi Mukherjee
By Direction

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Thursday, January 29, 2015 15:47
To: USS BOXER (sbo@saltsmail.salts.navy.mil); Legardye, Angeli D. ENS LHD4 (SUP/S8) (angeli.legardye@lhd4.navy.mil)
Cc: 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; TomZam@aol.com; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: USS BOXER: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5216 (FINAL ANSWER)

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commander, USS Boxer (LHD-4)

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: ENS LeGardye

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5216) VLW III UNDERLAYMENT KIT, (Part# 0643), NSN: None
(d) POC for the USS Boxer (LHD-4): ENS LeGardye
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

2. Concerning ref (c) SFR# 5216 per ref (e):

Mike,

See below for response to SFR 5216:

USS Boxer (LHD 4)

SFR #5216: The SFR requested material (NSN: None; Part #0643; VLW III Underlayment Kit) was requested per NSTM Chapter 634 (S9086-VG-STM-010) to repair damaged underlayment's of decking. Per NSWCCD Code 614, MIL-PRF-3135 materials should not be used by Ship's Force (S/F) as they are hazardous and S/F does not have the personal protective equipment (PPE) to perform this function. A temporary decking repair can be accomplished by using MIL-PRF-24176, Type I material. No changes to the SHML are required. For more information and further assistance, Ship's Force should contact NSWCCD Code 614 (POC: Deborah Merlino).

V/R,
Tim Kurylo
NSWCCD Code 635
Head, Solid Waste & HAZMAT ISE Branch
5001 S Broad St, Philadelphia, PA 19112
o: 215-897-7181
c: 215-840-6384
timothy.kurylo@navy.mil

Therefore, ref (c) SFR product IS NOT APPROVED for use and will not be added to the SHML.

3. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Sent: Thursday, January 29, 2015 9:43
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: RE: SFR 5216 FOR YOUR REVIEW
Signed By: timothy.kurylo@navy.mil

Mike,

See below for response to SFR 5216:

USS Boxer (LHD 4)

SFR #5216: The SFR requested material (NSN: None; Part #0643; VLW III Underlayment Kit) was requested per NSTM Chapter 634 (S9086-VG-STM-010) to repair damaged underlayments of decking. Per NSWCCD Code 614, MIL-PRF-3135 materials should not be used by Ship's Force (S/F) as they are hazardous and S/F does not have the personal protective equipment (PPE) to perform this function. A temporary decking repair can be accomplished by using MIL-PRF-24176, Type I material. No changes to the SHML are required. For more information and further assistance, Ship's Force should contact NSWCCD Code 614 (POC: Deborah Merlino).

V/R,

Tim Kurylo

NSWCCD Code 635

Head, Solid Waste & HAZMAT ISE Branch

5001 S Broad St, Philadelphia, PA 19112

o: 215-897-7181

c: 215-840-6384

timothy.kurylo@navy.mil

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077

Sent: Tuesday, January 13, 2015 11:46 AM

To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350

Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350

Subject: SFR 5216 FOR YOUR REVIEW

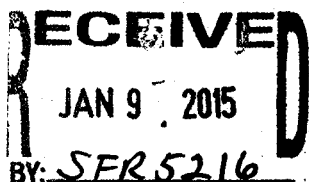
ORIGINATOR:

NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319
FAX: 717-605-3480, DSN: 430-3480

REC'D AT NAVSUP WSS: 1/9/2015 FPO#: AP96661 - 1663 UIC#: 21808 TYCOM: SURFPAC

TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5216 ATTACHED FROM (SHIP): USS BOXER (LHD-4) PRODUCT NAME: VLW III UNDERLAYMENT KIT DATE ON SFR: 1/9/2015
NAVSUP WSS	1/13/2015	MC	NSN/NIIN: - - - CAGE: 88167 PART NUMBER/DRAWING/SPECIFICATION: 0643
NSWCCD			
ISEA			SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; NIS O=Obsolete; N=Not Determined)
			MSDS NUMBER: (NIH=Not In HMIRS) NIH
			MIP: NONE MRC: NONE
LCM/ISEA			MIP/MRC: NONE
			APL: NONE AEL: NONE
NAVSUP WSS			APL/AEL: NONE
			TECHNICAL MANUAL: NSTM0910-LP-104-3955
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: NONE			NOTES: C/B1/H (CODE FOR ENTIRE KIT), 31.6 POUND KIT. (b)(4) PART NUMBER 0643 = 6 GL PAIL CONSISTING OF PART NUMBERS: 0667, 0668 AND 0658 WHICH COVERS ENTIRE KIT. 0667 = 1 GL CN, PART-A, T/T7/H. 0668 = 1/2 GL CN, PART-B, C/B1/H. 0658 = 17 POUNDS OF LOOSE AGGREGATE WHICH IS IN THE PAIL WITH THE TWO OTHER CANS, T/T7/H.

Current Date: 01/09/15



SHIP'S HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

NIT
NIS
NIH
NOT IN DLSC

This form needs to be completed if the Hazardous Material that you want to purchase is not authorized on your T-SHML

SHIP NAME: USS BOXER

HULL NUMBER: LHD-4

TYCOM: COMNAVSURFFOR

UIC: 21808

Serial Number:

AIRCRAFT RELATED: ☐ Yes ☒ No

I. JUSTIFICATION (To include equipment/application this material is to be used on):
MATERIAL IS NECESSARY TO REPAIR MULTIPLE DAMAGED UNDERLAYMENTS OF DECKING. THE SCOPE OF DISCREPANCIES IS TOO SMALL AND WILL NOT BE PICKED UP FOR DEPOT LEVEL. HAVING MATERIAL WILL ALLOW SHIP FORCES TO CONDUCT CORRECTIVE MAINTENANCE AND IMPROVE MATERIAL READINESS IN PREPARATION FOR INSURV AND HAB INSPECTIONS.

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable):

II. TECHNICAL DATA

MAINTENANCE INDEX PAGE (MIP) #: N/A

MAINTENANCE REQUIREMENT CARD (MRC #: N/A

APL OR AEL: N/A

TECH MANUAL: NSTM0910-LP-104-3955

REV.4

ESTIMATED YEARLY REQUIREMENT: UP TO 20-30 TIMES

III. MANUFACTURER DATA (If requested NSN is provided proceed to section IV)

NSN: N/A - - -

MANUFACTURER: CROSSFIELD PRODUCTS CORP.

PHONE: TOM ZAMBETTI CAGE: 88167
616-647-9792

ITEM OR TRADE NAME: VLW III UNDERLAYMENT KIT

PART NUMBER OR SPECIFICATION: PART NUMBER 0643 which includes part numbers:

0667 = 1 GL CN PART A T-T7-H

0668 = 1/2 GL CN PART B C-B1-H

0658 = 17 LBS OF LOOSE AGGREGATE which is in the pail with two other cans T-T7-H

0643 = 6 GL PAIL consisting of Part Numbers: 0667, 0668 and 0658

UNIT OF ISSUE: KT

UNIT OF MEASURE: 1 GL CAN, 1/2 GL CAN, 17 LBS OF AGGREGATE

IV. ENDORSEMENTS

(b)(4)

REQUESTORS NAME: CHU, CALVIN T

KIT = 31.6 LBS

RANK: O-2

EMAIL: calvin.chu@lhd4.navy.mil

DATE PREPARED: 12-NOV-14

COMMANDER OR DESIGNEE NAME: POMPEO, M.L.

RANK: O-6

EMAIL: martin.pompeo@lhd4.navy.mil

DATE: 09-JAN-15

SIGNATURE:

CO's signature denotes acceptance of all liabilities associated with the procurement and use of this non-SHML hazardous material

Electronic submission of SHML Feedback Report/s constitutes CO's approval

Mail to:

Commanding Officer, Naval Inventory Control Point

[»BINCS Home](#)[»FAQ](#)[»Disclaimer](#)[»Search](#)[»Links](#)[»Contact](#)[Print](#)[Back](#)**BINCS Information**

DUNS Number: 002161834

JCP Cert. Number:

CAGE Code: 88167

CAGE InformationCompany Name: CROSSFIELD PRODUCTS CORP.
DEX-O-TEX FLOOR COVERINGS

CAGE Status: Active Record

CAGE Type: Non-Manufacturer

SAM Expiration Date: 06/04/2015

Parent CAGE:

Address: 140 VALLEY RD

P.O. Box:

City: ROSELLE PARK

Zip: 07204-1402

CAO-ADP: S3101A-HQ0337

State: NJ

County:

Voice Phone Number: 3108869100

Fax Phone Number: 3108869119

Date CAGE Code Established: 11/04/1974

CAGE Last Updated: 06/04/2014

Point of Contact: DAVID JOHNSON

Company Web Site:

Immediate Owner

Information Unavailable

List of Offerors using as an ownerCAGE Owner TypeLegal Name

There are no Offerors using this CAGE as an owner

III. MANUFACTURER DATA

NSN: No current NSN – Applying for an NSN for #0643 Dex-O-Tex VLW III Underlayment Kit (Separate Primer Required). This is one component of VLW III Underlayment System (Separate Primer Required). Separate Primer is also required. Dex-O-Tex Terrazzo M Grout may also be required.

Manufacturer and CAGE Code:

Crossfield Products Corp.
3000 E. Harcourt St.
Rancho Dominguez, CA 90221

Phone: (310) 886-9100

Fax: (310) 886-9119

Rancho Dominguez, CA = CAGE Code 60782 - Phone: (310) 886-9100

Roselle Park, NJ = CAGE Code 88167 - Phone: (908) 245-2800

Website: www.DEXOTEXMARINE.com

Item or Trade Name:

Dex-O-Tex VLW III Underlayment Kit #0643 (Separate Primer Required) in a 6 gallon pail.

Note: Primer Kit is a system component of Dex-O-Tex VLW III Underlayment System, which is listed on QPL 3135.

Nature of the product:

Item #0643 Dex-O-Tex VLW III Underlayment Kit (Separate Primer Required) is packaged in a 6 gallon pail. It contains: #0667 liquid epoxy resin (Part A), #0668 liquid epoxy curing agent (Part B), and #0658 VLW III Aggregate, 17 lbs.

This is an epoxy liquid resin (Part A) and a liquid epoxy curing agent (Part B). Both are mixed together on the job site, and then mixed with #0658 aggregate to make an underlayment mortar leveling compound. It is applied by trowel like cement. It is used to level the steel deck substrate of a ship. Underlayment mix is a separate component of the system.

Part Number or Specification:

Naval Ships Technical Manual - NSTM Chapter 634 -Deck Coverings

Department of Defense Specification: MIL-PRF-3135H Type III, Class II, Grade B (18 SEP 2008)

Dex-O-Tex VLW III Underlayment is listed in D.O.D. Qualified Products Database under QPL 3135.

Packaging:

Item #0643 VLW III Underlayment Kit is packaged in a 6 gallon pail. The following are the contents of the pail:

#0667 - Part A, VLW III Underlayment Resin (1 gal. can)

#0668 - Part B, VLW III Underlayment Curing Agent (1 quart can)

#0568 - VLW III Underlayment Aggregate, 17 lbs.

Labels are on the outside of the 6 Gallon Pail Kit #0643, on #0667, and on #0668.

There are separate MSDS's for #0667, #0668 and #0658

VLW LIGHTWEIGHT UNDERLAYMENT - MIL-PRF-3135, TYPE I CLASS 2, TYPE II CLASS 2 & TYPE III CLASS 2 (Test Report 2624-09-06)					
ITEM #	ITEM DESCRIPTION	UNIT SIZE	LIST PRICE	WEIGHT	# PER CARTON
0652	VLW Primer 1/2GCA	Unit 1/2A		4.0 lbs	4
0653	VLW Primer 1/2GCB	Unit 1/2B		1.2 lbs	4
	TOTAL	Unit 1/2		5.2 lbs	
0654	VLW Primer 1GCA	Unit 1A		8.0 lbs	4
0655	VLW Primer 1GCB	Unit 1B		2.1 lbs	4
	TOTAL	Unit 1	(b)(4)	10.1 lbs	
0592-1GCA	VLW Type I & II Underlayment	Unit 1A		8.2 lbs	4
0593-1OCB	VLW Type I & II Underlayment	Unit 1B		2.0 lbs	4
0594-17	VLW Type I & II Underlayment Aggregate	17 # bag		17.3 lbs	1
	TOTAL			26.9 lbs	
0594-KIT	VLW Type I & II Underlayment Kit (Consists of Unit 1A (0592-1GCA), Unit 1B (0593-1OCB) plus Aggregate (0594-17))	6 gal pail		31.6 lbs	N/A
VLW LIGHTWEIGHT UNDERLAYMENT (Self-Priming) - MIL-PRF-3135, TYPE I CLASS 2, TYPE II CLASS 2 & TYPE III CLASS 2 (Test Report 2624-09-06)					
0661	VLW Type III Underlay (Self-Priming)	Unit 1/2A		4.0 lbs	4
0662	VLW Type III Underlay (Self-Priming)	Unit 1/2B		1.2 lbs	4
0663	VLW Type III Underlayment Aggregate	8.5 # bag		8.6 lbs	1
	TOTAL			14.8 lbs	
0664	VLW Type III Underlayment Kit (Self-Priming) (Consists of Unit 1/2A (0661), Unit 1/2B (0662) plus VLW Type III Aggregate (0663) packaged in 5-gal pail)	5 gal pail	(b)(4)	15.7 lbs	N/A
0666	VLW Type III Underlay (Self-Priming)	Unit 1A		9.0 lbs	4
0667	VLW Type III Underlay (Self-Priming)	Unit 1B		2.1 lbs	4
0668	VLW Type III Underlayment Aggregate	17 # bag		17.3 lbs	1
	TOTAL			27.4 lbs	
0669	VLW Type III Underlayment Kit (Self-Priming) (Consists of Unit 1A (0666), Unit 1B (0667) plus VLW Type III Aggregate (0668) packaged in 6-gal pail)	6 gal pail		32.1 lbs	N/A
VLW LIGHTWEIGHT UNDERLAYMENT (Separate Primer Required) - MIL-PRF-3135, TYPE I CLASS 2, TYPE II CLASS 2 & TYPE III CLASS 2 (Test Report 2624-09-06)					
0652	VLW Primer 1/2GCA	Unit 1/2A		4.0 lbs	4
0653	VLW Primer 1/2GCB	Unit 1/2B		1.2 lbs	4
	TOTAL	Unit 1/2		5.2 lbs	
0654	VLW Primer 1GCA	Unit 1A		8.0 lbs	4
0655	VLW Primer 1GCB	Unit 1B		2.1 lbs	4
	TOTAL	Unit 1	(b)(4)	10.1 lbs	
0669	VLW Type III Underlay (Separate Primer Required)	Unit 1/2A		3.8 lbs	4
0670	VLW Type III Underlay (Separate Primer Required)	Unit 1/2B		1.1 lbs	4
0663	VLW Type III Underlay Agg 8.5#	8.5 # bag		8.6 lbs	1
	TOTAL			13.7 lbs	
0642	VLW Type III Underlay (Separate Primer Required) Kit 5 gal pail (Consists of Unit 1/2A (0669), Unit 1/2B (0670), plus Aggregate (0663) packaged in a 5 gal pail)	Unit 1/2		19.3 lbs	N/A
0667	VLW Type III Underlay (Separate Primer Required)	Unit 1A		7.6 lbs	4
0668	VLW Type III Underlay (Separate Primer required)	Unit 1B		2.0 lbs	4
0668	VLW Type III Aggregate	17# Bag		17.3 lbs	1
	TOTAL			26.9 lbs	
0643	VLW Type III Underlay Kit (Separate Primer Required) 6 gal pail (Consists of Unit 1A (0667), Unit 1B (0668), plus VLW Type III Aggregate (0668) packaged in a 6 gal pail)	Unit 1	(b)(4)	31.6 lbs	N/A
0656-IMO	VLW Underlay IMO 1GCA	Unit 1A		8.0 lbs	4
0657-IMO	VLW Underlay IMO 1OCB	Unit 1B		2.1 lbs	4
0658-IMO	VLW Underlay IMO Agg 18# Bag	18 # bag		18.3 lbs	1
	TOTAL			28.4 lbs	



Specification Reference

MIL-PRF-3135, Type III, Class 2
MARAD Spec. No. 59MA 6a Type I, Class 2

Dex-O-Tex VLW Lightweight Underlayment, Type III Marine Decking Product Description Sheet

TYPE

Dex-O-Tex VLW Lightweight Underlayment conforming to military specification MIL-PRF-3135 (H) Type III, Class 2, Grade B. It is a 100% solids epoxy resin base mixed with a very lightweight aggregate to form a trowel applied decking underlayment for general use under all deck covering materials. Due to the rapid cure of VLW Lightweight Underlayment, it can be installed with minimum downtime. It can be applied directly to clean metal or steel. Or steel coated with pre-construction primer (PCP), without the need for a separate bond coat, mechanical anchors or other devices welded to the surface. It offers every advantage for lightweight filler sloping/leveling compound for quick turnover maintenance and/or repair installations.

THICKNESS

Minimum 0" (feather edge) – 3" inch (75 mm)
(Per application)

SPECIFICATION REFERENCE

U.S. Dept. of Defense, U.S. Navy
MIL-PRF-3135(H), Type III, Class 2

U.S. Dept. of
Defense.....MARAD Spec. No. 59MA 6a
Type I, Class 2

TYPE USES

VLW Lightweight Underlayment can be used to level or slope a deck and provide a smooth even surface over metal, aluminum or steel for subsequent application of any deck covering products.

ADVANTAGES

- Very Lightweight
- Fast curing for short installation times
- Durable in sanitary, wet spaces
- Easily maintained
- Fire retardant
- Not flammable or toxic in wet state

TECHNICAL DATA

Weight0.94 lbs/sq. ft. @ 1/4 inch
(4.589 kg/m² @ 6.35mm)

Indentation

Resistance 2,000 psi @

@ 48 hrs > 2%

@ 96 hrs > 1%

Impact Resistance > 0.062 inches
(2 lb steel ball @ 8 ft)

Moisture Absorption > 1%

Fire Rating

U.S. Navy Fire Retardant Passes
(MIL-STD-1623, SHIPS)

Adhesive Strength, Shear 350 psi
(241.39 kg/cm²)

Corrosive Effect, Steel None

Corrosive Effect, Aluminum None

Shock Resistance

2000lbs Reverse Impact No Chipping,
Cracking, Delamination
Signs of Deterioration

Asbestos Content < 0.00005%

Hazardous Metal Content Complies
MIL-PRF-3135 3.5.1.2

Hazardous Air Pollutants Complies
MIL-PRF 3.5.1.3

VOC Content 100% Solids (0 g/L)

Flash Point > 251°F

DEX-O-TEX[®] MARINE

LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICES ARE MET.

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Crossfield's examination shall disclose to Crossfield's satisfaction to be thus defective.

In no event shall Crossfield Products Corp. be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties expressed or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Crossfield's part, and we neither assume nor authorize any person or persons to assume for us any other liability in connection with sale of a Crossfield Products. This warranty shall not apply to any of Crossfield's products, which have been subject to adulteration, alteration abuse or misuse. Crossfield Products Corp. makes no warranty whatsoever in respect to accessories, parts or material not supplies by Crossfield Products Corp., which are used in connection with its products. The term "Original Purchaser" in this warranty means that person, corporation or entity to whom Crossfield Products Corp. sold its products. Any action to enforce any warranty or for breach of contract or arising out of any claim against Crossfield Products Corp. shall be commenced and maintained only in a court of competent jurisdiction in the continental United States of America. The purchaser accepts these terms and conditions and hereby expressly waives any claim to additional damages.

CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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Application Specification

VLW LIGHTWEIGHT UNDERLAYMENT, Type III (with Separately Packaged Primer)

Purpose and Scope

To outline instructions for the application of VLW Lightweight Underlayment, Type III, with a separately packaged primer. A 100% solid, 0 VOC, general-use, epoxy resin base interior deck covering underlayment designed for application under all types of deck covering materials. Qualified to QPL-PRF-3135 Type III, Class 2, Grade B.

Thickness

Minimum: From Featheredge of 0", maximum of 3" per application. Most smoothing applications are a nominal 1/4" (6.35 mm) thickness.

Use multiple applications when thicknesses greater than 3" are required.

Approximate Quantity of Materials Required

To Cover ONE HUNDRED SQ. FT (9.3 sq. Meters)

	<u>Thickness</u> <u>1/4 inch (6.35 mm)</u>
VLW Primer 1/2 Gal Unit	1 unit
Or	
One Gal Unit	0.5 unit
VLW Lightweight Underlayment Resins	3.7 units
VLW Lightweight Underlayment Aggregate (17 lbs. bag)	3.7 units

NOTE: Coverage for one unit of VLW Lightweight Underlayment Type III is 27 square feet at a strict 1/4" thickness. This does not allow for varied application thicknesses, irregularities in the steel deck plate substrate, or waste. When estimating material requirements, we recommend that a minimum additional 15% - 20% material be available to allow for these contingencies, actual material consumption can only be determined after an in depth site survey. When weight consideration is of major importance, use screed bars to determine the existing deck profile and conformity, then apply VLW Lightweight Underlayment to a minimum thickness.

Equipment Required

Mixing Blade mounted in slow speed (275-600 RPM), 3/4" (19 mm) drill
Mixing Container(s) (metal recommended over PVC)
Jiffy Blade, (small size)
Rubber-Edged Plasterer's Squeegees, one 12" (30 cm) and one 6" (15 cm)
Steel Trowel, (3" x 12"), (8 cm x 30 cm)
Plasterer's Steel Trowel, (4" x 16"), (10 cm x 40 cm)
High Intensity Lighting, preferably deck level
Approved solvent for cleaning tools
All required Personal Protective Equipment, gloves, safety glasses, hand cream, etc.

Surface Preparation

METAL: Deck surfaces shall be prepared in accordance with SSPC SP 11/NACE 6, to remove all mill scale, rust, paint, etc., to gray steel or as specified. Surface should be dry and free of rust, dirt, oil or grease before VLW Lightweight Underlayment is installed

Decks that have been properly prepared and primed with Navy Formula 150 Primer, MIL-DTL-24441, EURONAVY ES301K Primer, or Pre-Construction Primer (PCP, Zinc Silicate), should be prepared in accordance with SSPC SP 1 and allowed to dry completely before application of VLW Lightweight Underlayment. If any rusting is evident, prepare in accordance with SSPC SP 3 and SP 1; do not proceed with application until approved by supervising authority.

Material Temperature

The temperature of the materials should be between 65°F to 80°F (18°C to 29°C) for best mixing and application properties.

Ambient Temperature

For best working properties the ambient room temperature should be between 65°F to 80°F (18°C to 24°C). However, VLW can be installed in ambient temperatures as low as 55°F to as high as 100°F. However, workability will be adversely affected. A minimum temperature of 55°F and maximum

Application Specification

temperature of 100°F must be maintained during and for at least 24 hours after application for proper curing.

Substrate Temperature

Deck surface and room temperature of 65°F to 80°F (18°C to 24°C) should be maintained for at least 24 hours prior to and after installation for proper curing.

APPLICATION

STEP ONE – Primer

VLW Primer

Mix Ratio: 4A:1B

Cure Time: 4 hrs. – 8 hrs.

Coverage: 250 sq. ft./gal

Pot Life: 25 - 35 min

Recoat Time: wet – 48 hrs.

DFT: 6-7 mils

The VLW Primer A & B Components are supplied as a unit in two separate containers.

After the surface to be covered has been properly prepared and proper environmental conditions have been verified, pour the contents of the can containing VLW Primer Component B into the can containing Component A. Blend thoroughly with a low rpm drill motor (600 rpm) and a “Jiffy” blade or other mechanical means for two (2) minutes. VLW Primer has a pot life of approximately 1/2 hours at an ambient temperature of 70°F to 75°F, (21°C to 24°C). The working time of the material will be lengthened if it is either poured out of the mixing pail onto the surface and then worked from there, or poured into a wide receptacle, (such as a paint roller tray), and then worked from that.

A ½ gallon unit of VLW Primer will cover approximately 100 - 125 sq. ft. (9.29 m²) a one gallon unit will cover 200- 225 sq. ft. (18.58m²) on steel decking when applied with squeegee.

VLW Primer may be applied in any one of three techniques, as follows:

- A. Apply to small area in a very thin coat with brush, trowel, or squeegee immediately prior to

VLW LIGHTWEIGHT UNDERLAYMENT, Type III (with Separately Packaged Primer)

placement and application of VLW III Underlayment, LEAVING NO PUDDLES.

- B. Apply as above to large area and subsequently install VLW III Underlayment over wet VLW Primer with mechanics working on kneeboards.
- C. Apply the Primer to large area and sprinkle a small amount of dry VLW III Underlayment Aggregate on the wet Bondcoat surface. Apply VLW III Underlayment the next day (within a 24 hour period). The aggregate will produce a “tooth” which will keep the VLW III Underlayment from sliding on the dried Bondcoat surface.

STEP TWO – Lightweight Underlayment

VLW III Underlayment

Mix Ratio: 4A:1B: 17 lbs. agg

Cure Time: 6 hrs. – 12 hrs.

Coverage: 27 Sq. Ft. @ ¼”

Pot Life: 20 - 25 min

Recoat Time: 12 hrs.

DFT: 1 - 3000 mils

The VLW resin components are supplied as a unit in two separate containers.

1. After the surface to be covered has been properly prepared, and proper environmental conditions have been verified, pour the contents of the can containing VLW Lightweight Underlayment component B hardener (in a quart can) into the A Component resin (in a gal can) being sure to scrape out all the B Component. Mix the resin with a low rpm drill motor (600 rpm) and a “Jiffy” blade for approximately one minute, or until thoroughly mixed.
2. Pour the blended resins into a suitable size container (5 – 10 gal. pail) and then slowly add the aggregate. Mix with a mortar style mixing blade mounted in a slow-speed (600 RPM) ¾” drill (Duo Mixers are recommended for fast thorough mixing), or Koll style bucket mixer. Do not over mix. Mix until aggregates are thoroughly wetted out. “Box” the mixed material into clean pails and re-blend to be sure binder

Application Specification

liquid is uniformly coating the aggregate particles.

3. VLW Lightweight Underlayment mix will give a workable composition with a pot life of 20-25 minutes (from when the resins are first mixed) at an ambient temperature of 70°F to 75°F (21°C to 24°C), capable of being troweled from a featheredge to 3" in thickness in one application.
4. Place the required amount of VLW Lightweight Underlayment matrix onto the area previously coated with the priming resin, and screed out with a screed bar or trowel. Rake the material to the approximate finished thickness. Use a tamping, screeding motion to work material generally into place.
5. Compact the material into a tight surface with a 4" x 16" (10 cm x 40 cm) rectangular trowel. Work the material into a smooth even surface with desired leveling or sloping as required.

The working time of VLW Lightweight Underlayment is approximately 20-25 minutes (from when the resins are first mixed) at an ambient temperature of 70°F to 75°F (21°C to 24°C). A one-unit mix should cover approximately 27 sq. ft. at 1/4" (6.35 mm) thickness.

Overnight cure is desirable before application of Dex-O-Tex Elastaguård (corrosion containment membrane) or any other deck finish.

Cautions

1. For proper workability it is important the Dex-O-Tex materials be stored and mixed at a temperature of 65°F-80°F.
2. The substrate temperature should be between 65°F-80°F. A warm substrate will decrease the pot life and make the material sticky. A cooler substrate will retard the cure and may cause a blush of the polymeric resins. Deck surface and room temperature of 65°F or slightly higher must be maintained for proper curing.
3. When mixing the polymeric resin components, be sure to use all of the provided resins. The

VLW LIGHTWEIGHT UNDERLAYMENT, Type III (with Separately Packaged Primer)

resins are pre-measured to the correct ratios. Scrape all of the hardener from the container into the resin.

4. Do not turn mixing vessels upside down to drain on the flooring surface. Unmixed resin from the side may produce soft or uncured spots on the flooring surface.
5. Keep the unfinished flooring surface clean. Do not track dirt, grease, or any other contaminate onto the unfinished flooring.
6. Good ventilation must be provided during application, particularly in confined spaces.
7. Always obtain, read and observe Manufacturers Safety Data Sheets (MSDS) before handling polymeric materials. Become familiar with the products on paper before you open the cans.

General Conditions for Safe Handling of Polymeric Resinous Flooring Systems

1. Read and observe precautionary statements on product labels.
2. Keep containers tightly closed.
3. Keep out of reach of children.
4. For industrial use only. Do not allow application by untrained workers.
5. Remove contaminated clothing and shoes. Wash clothing before re-use.
6. Use of safety goggles and chemical resistant gloves is recommended. Wear only full-length trousers and long-sleeve shirts. Apply protective creams to exposed skin areas.
7. In general, prolonged contact of polymeric resins with skin may cause irritation. Contact with curing agents may cause skin burns. Products may cause skin sensitization or other allergic responses. Avoid all contact with eyes.
8. In case of contact with skin, immediately remove the material with soap and water. Upon completion of work at lunchtime or end of day, carefully check all skin surfaces for any traces of polymeric resins. Wash with soap and water. If wash facilities are not located nearby, establish water-washing station at work site. DO NOT use solvents to remove polymeric resins from skin, as solvents will drive polymeric resins deeper into



Application Specification

VLW LIGHTWEIGHT UNDERLAYMENT, Type III (with Separately Packaged Primer)

- skin. If redness or skin rash develop, consult a physician.
9. In the event of eye contact, flush immediately with plenty of water for at least 15 minutes. Consult a physician immediately.
 10. Mix and apply polymeric resin materials only in conditions of good ventilation. Avoid breathing vapors. A fan to circulate fresh air may be needed. Certain polymeric resin products and/or certain working conditions require use of NIOSH/MSA organic vapor respirator. Consult MSDS.
 11. First Aid for inhalation: if effects occur, remove patient to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get immediate medical attention.



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MATERIAL SAFETY DATA SHEET

PART I *What is the material and what do I need to know in an emergency?*

1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED):

VLW Light Weight Underlayment, A Component
(Types I, II, III & Primer)

CHEMICAL NAME/CLASS:

Modified Epoxy Resin
Specialty Flooring Resin

PRODUCT USE:

SUPPLIER/MANUFACTURER'S NAME:

Crossfield Products Corp.

ADDRESS: (West Coast):

3000 E. Harcourt St.
Rancho Dominguez, CA 90221 (Headquarters)

ADDRESS: (East Coast):

140 Valley Rd.
Roselle Park, NJ 07204

EMERGENCY PHONE:

CHEMTREC: 800-424-9300

DATE OF PREPARATION:

May 17, 2007

REVISION DATE:

December 10, 2013

Si usted no entiende las Hojas de Informacion de Seguridad sobre Materiales, busque a alguien para que se la explique a usted en detalle. (If you do not understand the Material Safety Data Sheet, find someone to explain it to you in detail.)

2. COMPOSITION and INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% w/w	EXPOSURE LIMITS IN AIR					
			ACGIH		OSHA		IDLH mg/m ³	OTHER mg/m ³
			TLV mg/m ³	STEL mg/m ³	PEL mg/m ³	STEL mg/m ³		
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	25068-38-6	40 - 70	NE	NE	NE	NE	NE	ND
Oxirane, I[(2-Ethylhexyl)Oxy]Methyl]-	2461-15-6	10 - 30	NE	NE	NE	NE	NE	ND
Triphenyl Phosphite	101-02-0	1 - 5	NE	NE	NE	NE	NE	ND
Water and other ingredients. The other ingredients are each present in less than 1 percent concentration in this product.		Balance	The components present in the balance of this product do not contribute any significant, additional hazards. All hazard information pertinent to this product has been presented in the remaining sections of this Material Safety Data Sheet, per the requirements of Federal Occupational Safety and Health Hazard Communication Standard (29 CFR 1910.1200).					
VOC: Component 0 grams/liter			As Applied (Part of a multi-component system) 0 grams/liter					

NE = Not Established. C = Ceiling Limit. See Section 16 for Definitions of Terms Used.

NOTE: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-1993 format.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Warning! May cause allergic skin reactions. May cause irritation.

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE: The most significant route of occupational overexposure is contact with skin. The symptoms of overexposure to this product are as follows:

INHALATION: If mists or sprays of this solution are inhaled, this product may cause pulmonary irritation, irritation of the mucus membranes, and coughing.

CONTACT WITH SKIN or EYES: Contact with the eyes may cause slight transient (temporary) eye irritation. Corneal injury is unlikely. Prolonged or repeated skin contact may dry the skin. Symptoms may include redness, drying and cracking of skin. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects), and numbness.

INGESTION: Though ingestion is not anticipated to be a significant route of over-exposure to this product, if ingestion does occur, irritation of the mouth, throat, esophagus, and other tissues of the digestive system may occur upon contact.





INJECTION: Though injection is not anticipated to be a significant route of over-exposure to this product, if it occurs, local reddening, tissue swelling, and discomfort may result.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in **Lay Terms**.

ACUTE: Contact with this solution may cause irritation of the eyes, skin, mucous membranes, and any other exposed tissue.

If inhaled, irritation of the respiratory system may occur, with coughing, and breathing difficulty

CHRONIC: Repeated skin contact with this product may result in dermatitis (inflammation and reddening of the skin).

Hazardous Material Information System			
HEALTH (Blue)		2	
FLAMMABILITY (Red)		1	
REACTIVITY (Yellow)		1	
PROTECTIVE EQUIPMENT		X	
EYES	RESP.	HANDS	BODY
 Safety Glasses	 Vapor Respirator	 Gloves	 Protective Apron
For Routine Industrial Applications			

PART II *What should I do if a hazardous situation occurs?*

4. FIRST-AID MEASURES

SKIN EXPOSURE: For Skin contact, if available, wash with large amounts of running water and soap for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Discard or decontaminate clothing before re-use, and destroy contaminated shoes.

EYE EXPOSURE: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

INHALATION: If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen.

INGESTION: If swallowed, immediately give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention. Have physician determine whether vomiting or stomach evacuation is necessary.

5. FIRE-FIGHTING MEASURES

FLASH POINT, °C (method): > 93°C (200°F) Closed Cup

AUTOIGNITION TEMPERATURE, °C: ND

FLAMMABLE LIMITS (in air by volume, %):

Lower (LEL): ND

Upper (UEL): ND

NFPA RATING

FIRE EXTINGUISHING MATERIALS:

Water Spray: YES

Foam: YES

Halon: ND

Carbon Dioxide: YES

Dry Chemical: YES

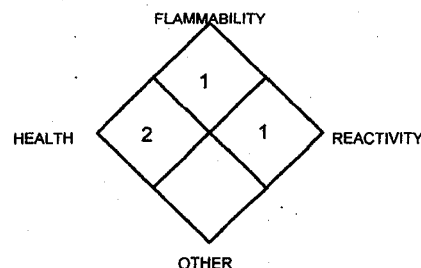
Other: Any "ABC" Class.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Run-off from fire control may cause pollution. Keep fire-exposed containers cool with water spray to prevent rupture due to excessive heat. High-pressure water hose may spread product from broken containers increasing contamination. If involved in a fire, this product may decompose to produce a variety of compounds (i.e. carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides and compounds). Emergency responders must wear the proper personal protective equipment suitable for the situation to which they are responding. Products of combustion are irritating to the respiratory tract and may cause breathing difficulty. Symptoms may be delayed several hours or longer depending upon the extent of exposure.

Explosion Sensitivity to Mechanical Impact: Not sensitive.

Explosion Sensitivity to Static Discharge: Not sensitive.

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural fire fighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move fire-exposed containers, if it can be done without risk to firefighters. If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas. If necessary, discard or decontaminate fire response equipment before returning such equipment to service.



6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

The proper personal protective equipment for incidental releases (e.g.-1 L of the product released in a well-ventilated area) use impermeable gloves, specific for the material handled, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard-hat. Self Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, Select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

Absorb spilled liquid with polypads or other suitable absorbent materials. Neutralize residue with sodium bicarbonate and water rinse. Decontaminate the area thoroughly. Test area with litmus paper to confirm neutralization. Place all spill residue in a suitable container. Dispose of in accordance with Federal, State, and local hazardous waste disposal regulations (see Section 13, Disposal Considerations).

PART III *How can I prevent hazardous situations from occurring*

7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash hands after handling this product. Do not eat or drink while handling this material. Remove contaminated clothing immediately. Discard contaminated clothing items, or launder before re-use. Inform anyone handling such contaminated laundry of the hazards associated with this product. Use ventilation and other engineering controls to minimize potential exposure to this product.

STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to handle it safely. Avoid breathing mists or sprays generated by this product. Use in a well-ventilated location.

For Non-Bulk Containers: Open containers slowly, on a stable surface. Containers of this product must be properly labeled. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers, or in a diked area, as appropriate. Store containers away from incompatible chemicals. Keep container tightly closed when not in use. Wash thoroughly after using this material. Storage areas should be made of fire-resistant materials. If appropriate, post warning signs in storage and use areas. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid, therefore, empty containers should be handled with care.

Bulk Containers: All tanks and pipelines that contain this material must be labeled. Perform routine maintenance on tanks or pipelines that contain this product. Report all leaks immediately to the proper personnel.

Tank Car Shipments: Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment.). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times. Tank cars must be level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tank (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be clean and free of incompatible chemicals, prior to connection to the tank car or vessel. Valves and hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Decontaminate equipment before maintenance begins by a triple-rinse with water followed, if necessary, by using sodium bicarbonate and an additional rinse. Collect all rinsates and dispose of according to applicable Federal, State, or local procedures.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: If required use a corrosion-resistant ventilation system separate from other exhaust ventilation systems to ensure that there is no potential for overexposure to sprays, or mists of this product and that exposures are below those in section 2 (Composition and Information on Ingredients). Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below exposure limits listed in Section 2 (Composition and Information on Ingredients). If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, or applicable State regulations. If adequate ventilation is not available or if there is potential for airborne exposure above the exposure limits (listed in Section 2) a respirator may be worn up to respirator exposure limitations, check with respirator equipment manufacturers recommendations/limitations. For a higher level of protection use positive pressure supplied air respiration protection or Self Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS:

Positive pressure, full-facepiece Self Contained Breathing Apparatus; or positive pressure, full-facepiece Self Contained Breathing Apparatus with an auxiliary positive pressure Self Contained Breathing Apparatus.

EYE PROTECTION: Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

HAND PROTECTION: Wear appropriate gloves for routine industrial use. Use appropriate gloves for spill response, as stated in Section 6 of this MSDS (Accidental Release Measures).

BODY PROTECTION: Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from natural rubber are generally acceptable, depending upon the task.

9. PHYSICAL and CHEMICAL PROPERTIES

RELATIVE VAPOR DENSITY (air = 1): ND

SPECIFIC GRAVITY (water = 1): 1.11

SOLUBILITY IN WATER: Not soluble.

VAPOR PRESSURE, mm Hg @ 20 °C: ND

ODOR: Slight

LOG WATER/OIL DISTRIBUTION COEFFICIENT: Not available.

APPEARANCE AND COLOR: This product is a cloudy white liquid solution.

HOW TO DETECT THIS SUBSTANCE (warning properties): ND

EVAPORATION RATE (n-BuAc=1): ND

MELTING/FREEZING POINT: Not established.

BOILING POINT: > 200°C (>392°F)

pH: Not Established

10. STABILITY and REACTIVITY

STABILITY: Stable.

DECOMPOSITION PRODUCTS: Thermal decomposition products of this solution can include a variety of compounds. (i.e. carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides and other compounds).

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: This product reacts with strong oxidizers and amines.

HAZARDOUS POLYMERIZATION: Will not occur by itself. Considerable exothermic reaction with amine resins is possible.

CONDITIONS TO AVOID: Avoid exposure or contact to extreme temperatures and incompatible chemicals.

PART IV *Is there any other useful information about this material?*

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA: Additional toxicology information for components greater than 1 percent in concentration is provided below.

	<u>CAS 25068-38-6</u>	<u>CAS 2461-15-6</u>	<u>CAS 101-02-0</u>
Acute Oral Effects (LD50):	(Rat) > 5,000 mg/kg	(Rat) >7,800 mg/kg	(Rat) = 1600 mg/kg
Acute Dermal Toxicity (LD50):	(Rabbit) > 6,000 mg/kg	(Rabbit) >2000 mg/kg	(Rabbit) = 5000 mg/kg
Inhalation (LC50/ 4 hr)			
Skin Irritation:	(Rabbit) Moderate Irritation	Moderate Irritation	Severe irritation (Note 1)
Eye Irritation:	(Rabbit) Slight Irritation	Mild Irritation	Mild irritation (Note 2)

Note 1: Human Draize 48H 125 mg

Note 2: Rabbit Draize 24H 500 mg

SUSPECTED CANCER AGENT: The major components of this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC. Phenyl Glycidyl Ether (CAS 122-60-1 < 6 ppm) and Epichlorohydrin (CAS 106-89-8 < 1 ppm) are listed in CAL/OSHA Prop 65 list as cancer causing agents.

IRRITANCY OF PRODUCT: This product is moderately irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: Prolonged or repeated skin contact can result in the development of rashes, and other allergy-like symptoms.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: CAS 25068-38-6

Ames Tests: Both positive and negative results
Hamster Bone Marrow Cytogenetics (in vivo): negative
Mouse Spermatocytes Cytogenetics (in vivo): negative
Micronucleus Test (in vivo): negative
Mouse Dominant Lethal Test: negative
Alkylation of DNA: positive
Human Mononucleated WBC (in vivo): negative

Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.

Teratogenicity: This product is not reported to cause teratogenic effects in humans.

Reproductive Toxicity: This product is reported to cause reproductive effects in humans.

VLW Light Weight Underlayment Types I, II, III & Primer (0592, 0652, 0654, 0656, 0661, 0667, 0669), A Component MSDS

11. TOXICOLOGICAL INFORMATION (Continued)

A mutagen is a chemical that causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical that causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical that causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance that interferes in any way with the reproductive process.

BIOLOGICAL EXPOSURE INDICES: Currently there are no Biological Exposure Indices (BEIs) associated with the components of this product.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Skin disorders can be aggravated by over-exposure to this product. Inhalation of this products mists may aggravate respiratory conditions.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate over-exposure to this product.

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

CAS No. 101-02-0

Ecotoxicity: Goldfish 96 hour LC50, 700 ug/l
Material considered highly toxic.

Environmental Fate:	Mobility:	No data
	Persistence and Degradability:	Medaka; BCF 96 hour, 250-500 ug/l Oryzias latipes; BCF 96 hour, 250 ug/l

Bioaccumulative Potential: No data

Other Adverse Effects: Product is not known to deplete the ozone.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Incineration is a preferred method. Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

14. TRANSPORTATION INFORMATION

Department of Transportation:

Not Regulated

IATA:

Hazard Class:	9
ID Number:	UN3082
Packing Group:	III
Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, NOS (Contains triphenyl phosphite)

Note: **Not regulated** for surface and air transport in non-bulk (< 3400 gallons) packaging.

IMDG:

Hazard Class:	9
ID Number:	UN3082
Packing Group:	III
Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, NOS (Contains triphenyl phosphite)

15. REGULATORY INFORMATION

OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

SARA REPORTING REQUIREMENTS: The components of this product are not subject to the reporting requirements of Sections 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

SARA Threshold Planning Quantity: Not applicable.

TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

CERCLA REPORTABLE QUANTITY (RQ): Not listed

OTHER FEDERAL REGULATIONS: Not applicable.

STATE REGULATORY INFORMATION: Components of this product are covered under specific State regulations, as denoted below:

New Jersey Right-to-know: The following is required composition information:

CAS Number:	106-89-8	2461-15-6
Chemical Name:	Epichlorohydrin	Oxirane, [[[Ethylhexyl)Oxy]Methyl]-

Pennsylvania Right-to-know: The following is required composition information:

Not Listed

CALIFORNIA PROPOSITION 65: The components of this product listed below are known to the state of California to cause cancer, birth defects or other reproductive harm.

Epichlorohydrin (CAS 106-89-8)

Phenyl Glycidyl Ether (CAS 122-60-1)

WHMIS Classification:

D2B - Poisonous and infectious material - Other effects - Toxic



D2B - Toxic

WHMIS Health Effects Criteria Met by this Chemical:

D2B - Eye irritation - toxic - other

D2B - Skin Sensitization - toxic - other

16. OTHER INFORMATION

PREPARED BY:

BILL BEACH,
CROSSFIELD PRODUCTS CORP.

THIS INFORMATION IS DRAWN FROM RECOGNIZED SOURCES BELIEVED TO BE RELIABLE. CROSSFIELD PRODUCTS CORP. MAKES NO GUARANTEES NOR ASSUMES ANY LIABILITY IN CONNECTION WITH THIS INFORMATION. THE USER SHOULD BE AWARE OF CHANGING TECHNOLOGY, RESEARCH, REGULATIONS AND ANALYTICAL PROCEDURES THAT MAY REQUIRE CHANGES HEREIN. THE ABOVE DATA IS SUPPLIED UPON THE CONDITION THAT PERSONS WILL EVALUATE THIS INFORMATION AND THEN DETERMINE ITS SUITABILITY FOR THEIR USE.

DEFINITIONS OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these, which are commonly used, include the following:

CAS #: This is the Chemical Abstract Service Number that uniquely identifies each constituent. It is used for computer-related searching.

EXPOSURE LIMITS IN AIR:

ACGIH - American Conference of Governmental Industrial Hygienists, a professional association that establishes exposure limits.

TLV - Threshold Limit Value - an airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour **Time Weighted Average (TWA)**, the 15-minute **Short Term Exposure Limit**, and the instantaneous **Ceiling Level**. Skin adsorption effects must also be considered.

OSHA - U.S. Occupational Safety and Health Administration.

PEL - Permissible Exposure Limit - This exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1993 Air Contaminants Rule (Federal Register: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase, "Vacated 1989 PEL," is placed next to the PEL that was vacated by Court Order.

IDLH - Immediately Dangerous to Life and Health - This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. The **DFG - MAK** is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. **NIOSH** is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (**OSHA**). NIOSH issues exposure guidelines called Recommended Exposure Levels (**RELs**). When no exposure guidelines are established, an entry of **NE** is made for reference.

HAZARD RATINGS:

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: Health Hazard: 0 (minimal acute or chronic exposure hazard); 1 (slight acute or chronic exposure hazard); 2 (moderate acute or significant chronic exposure hazard); 3 (severe acute exposure hazard; onetime over-exposure can result in permanent injury and may be fatal); 4 (extreme acute exposure hazard; onetime over-exposure can be fatal). Flammability Hazard: 0 (minimal hazard); 1 (materials that require substantial pre-heating before burning); 2 (combustible liquid or solids; liquids with a flash point of 38-93°C [100-200°F]); 3 (Class IB and IC flammable liquids with flash points below 38°C [100°F]); 4 (Class IA flammable liquids with flash points below 23°C [73°F] and boiling points below 38°C [100°F]). Reactivity Hazard: 0 (normally stable); 1 (material that can become unstable at elevated temperatures or which can react slightly with water); 2 (materials that are unstable but do not detonate or which can react violently with water); 3 (materials that can detonate when initiated or which can react explosively with water); 4 (materials that can detonate at normal temperatures or pressures).

NATIONAL FIRE PROTECTION ASSOCIATION: Health Hazard: 0 (material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); 1 (materials that on exposure under fire conditions could cause irritation or minor residual injury); 2 (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); 3 (materials that can on short exposure could cause serious temporary or residual injury); 4 (materials that under very short exposure could cause death or major residual injury). Flammability Hazard and Reactivity Hazard: Refer to definitions for "Hazardous Materials Identification System".

FLAMMABILITY LIMITS IN AIR:

Much of the information related to fire and explosion is derived from the National Fire Protection Association (**NFPA**). Flash Point - Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. Autoignition Temperature: The minimum temperature required to initiate combustion in air with no other source of ignition. LEL - the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL - the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

TOXICOLOGICAL INFORMATION:

Possible health hazards as derived from human data, animal studies, or from the results of studies with similar compounds are presented. Definitions of some terms used in this section are: **LD₅₀** - Lethal Dose (solids & liquids) which kills 50% of the exposed animals; **LC₅₀** - Lethal Concentration (gases) which kills 50% of the exposed animals; **ppm** concentration expressed in parts of material per million parts of air or water; **mg/m³** concentration expressed in weight of substance per volume of air; **mg/kg** quantity of material, by weight, administered to a test subject, based on their body weight in kg. Data from several sources are used to evaluate the cancer-causing potential of the material. The sources are: **IARC** - the International Agency for Research on Cancer; **NTP** - the National Toxicology Program, **RTECS** - the Registry of Toxic Effects of Chemical Substances, **OSHA** and **CAL/OSHA**. IARC and NTP rate chemicals on a scale of decreasing potential to cause human cancer with rankings from 1 to 4. Subrankings (2A, 2B, etc.) are also used. Other measures of toxicity include **TDLo**, the lowest dose to cause a symptom and **TCLo** the lowest concentration to cause a symptom; **TD₀₁**, **LDLo**, and **LD₀₁**, or **TC**, **TC₀₁**, **LCLo**, and **LCo**, the lowest dose (or concentration) to cause death. **BEI** - Biological Exposure Indices, represent the levels of determinants that are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV.

REGULATORY INFORMATION:

This section explains the impact of various laws and regulations on the material. **EPA** is the U.S. Environmental Protection Agency. **WHMIS** is the Canadian Workplace Hazardous Materials Information System. **DOT** and **TC** are the U.S. Department of Transportation and the Transport Canada, respectively. Other acronyms used are: Superfund Amendments and Reauthorization Act (SARA); the Toxic Substance Control Act (TSCA); Marine Pollutant status according to the DOT; California's Safe Drinking Water Act (Proposition 65); the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund); and various state regulations. This section also includes information on the precautionary warnings that appear on the materials package label.

CROSSFIELD PRODUCTS CORPORATION

www.crossfieldproducts.com

3000 E. Harcourt St.
Rancho Dominguez, CA 90221 (Headquarters)
(310)-886-9100 (8:00 AM – 5:00 PM Pacific Time)

140 Valley Rd.
Roselle Park, NJ 07204
(908)-245-2800 (8:00 AM – 5:00 PM Eastern Time)

SAFETY DATA SHEET**1. PRODUCT IDENTIFICATION**TRADE NAME (AS LABELED):**VLW Type III Underlay, Part B**CHEMICAL NAME/CLASS:

Polyamine Solution

PRODUCT USE:

Decking Basecoat Curative

SUPPLIER/MANUFACTURER'S NAME:

Crossfield Products Corp.

ADDRESS: (West Coast):

3000 E. Harcourt St.
Rancho Dominguez, CA 90221 (Headquarters)

ADDRESS: (East Coast):

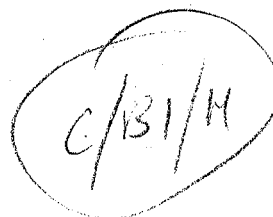
140 Valley Rd.
Roselle Park, NJ 07204

EMERGENCY PHONE:**CHEMTREC:** 800-424-9300DATE OF PREPARATION:

August 23, 2012

REVISION DATE:

April 11, 2014

2. HAZARD(S) IDENTIFICATION**Signal Word:** (Warning)**Hazard Statements:**

- H333: May be harmful if inhaled
- H315 Causes skin irritation
- H303: May be harmful if swallowed

- H335: May cause respiratory irritation
- H320: Causes eye irritation
- H317 May cause an allergic skin reaction

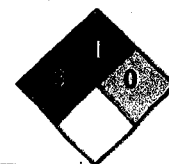
Precautionary Statements:

- P102: Keep out of reach of children
- P103: Read label before use
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

HMIS-RATINGS (SCALE 0 – 4)

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0

Health = 3
Fire = 1
Reactivity = 0

NFPA RATING

EMERGENCY OVERVIEW:

For Routine Industrial Applications

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE: The most significant route of occupational overexposure is contact with skin. The symptoms of overexposure to this product are as follows:

EYE CONTACT: May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur. Vapor may cause severe eye irritation. Vapor may cause lacrimation (tears).

INHALATION: Excessive exposure may cause irritation to upper respiratory tract (nose and throat). May cause central nervous system depression. Symptoms may include headache, dizziness and drowsiness, progressing to incoordination and unconsciousness. Prolonged excessive exposure may cause serious adverse effects, even death.

CONTACT WITH SKIN: Brief contact may cause severe skin burns. Symptoms may include pain, severe local redness and tissue damage. Prolonged skin contact is unlikely to result in absorption of harmful amounts. A component in this mixture has caused allergic skin reactions in humans. Contains component(s) which have caused allergic skin sensitization in guinea pigs.

INGESTION: Though ingestion is not anticipated to be a significant route of over-exposure to this product, if ingestion does occur, irritation of the mouth, throat, esophagus, and other tissues of the digestive system may occur upon contact.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms.

ACUTE: Contact with this solution may cause irritation of the eyes, skin, mucous membranes, and any other exposed tissue. If inhaled, irritation of the respiratory system may occur, with coughing, and breathing difficulty

CHRONIC: Repeated skin contact with this product may result in dermatitis (inflammation and reddening of the skin).

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% w/w	EXPOSURE LIMITS IN AIR					
			ACGIH		OSHA		IDLH mg/ m ³	OTHER mg/m ³
			TLV mg/m ³	STEL mg/m ³	PEL mg/m ³	STEL mg/m ³		
Triethylenetetramine (TETA)	112-24-3	40 - 70	NE	NE	NE	NE	NE	NE
Formaldehyde, polymer with 1,3, dimethylbenzene	26139-75-3	10 - 30	NE	NE	NE	NE	NE	NE
Benzyl Alcohol	100-51-6	10 - 30	NE	NE	NE	NE	NE	WEEL (TWA) 44.2 (10 ppm)
Isophoronediamine, reaction products with epoxy resin	68609-08-5	7 - 13	NE	NE	NE	NE	NE	NE
Isophoronediamine	2855-13-2	7 - 13	NE	NE	NE	NE	NE	NE
1,3-Cyclohexanebis(Methylamine)	2579-20-6	7 - 13	NE	NE	NE	NE	NE	TWA (Skin) 0.8 mg/m ³ 0.1 ppm
Poly(oxypropylene)diamine	9046-10-0	1 - 5	NE	NE	NE	NE	NE	NE
Nonylphenol	84852-15-3	1 - 5	NE	NE	NE	NE	NE	NE
Water and other ingredients. The other ingredients are each present in less than 1 percent concentration in this product.		Balance	The components present in the balance of this product do not contribute any significant, additional hazards. All hazard information pertinent to this product has been presented in the remaining sections of this Material Safety Data Sheet, per the requirements of Federal Occupational Safety and Health Hazard Communication Standard (29 CFR 1910.1200).					
VOC: Component = 0 Grams/Liter			As Applied - 0 Grams/Liter (Part of Multi-Component System)					

NE = Not Established. C = Ceiling Limit. See Section 16 for Definitions of Terms Used.

NOTE: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-1993 format.

4. FIRST AID MEASURES

SKIN EXPOSURE: For Skin contact, if available, wash with large amounts of running water and soap for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Discard or decontaminate clothing before re-use, and destroy contaminated shoes.

EYE EXPOSURE: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

INHALATION: If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen.

INGESTION: If swallowed, immediately give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention. Have physician determine whether vomiting or stomach evacuation is necessary.

NOTES TO PHYSICIAN: Maintain adequate ventilation and oxygenation of the patient. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

FLASH POINT, °C (method): > 93.3°C (199.9F) Closed Cup

AUTOIGNITION TEMPERATURE, °C: ND

FLAMMABLE LIMITS (in air by volume, %):

FIRE EXTINGUISHING MATERIALS:

Water Spray: YES

Foam: YES

Halon: ND

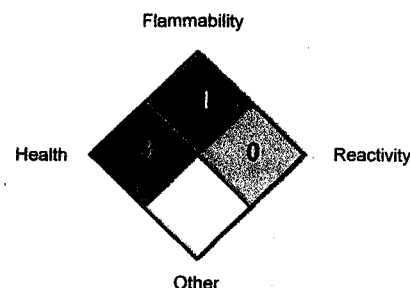
Lower (LEL): NE

Upper (UEL): NE

Carbon Dioxide: YES

Dry Chemical: YES

Other: Any "ABC" Class.

NFPA RATING

UNUSUAL FIRE AND EXPLOSION HAZARDS: Run-off from fire control may cause pollution. Keep fire-exposed containers cool with water spray to prevent rupture due to excessive heat. High pressure water hose may spread product from broken containers increasing contamination. If involved in a fire, this product may decompose to produce a variety of compounds (i.e. carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides and compounds). Emergency responders must wear the proper personal protective equipment suitable for the situation to which they are responding. Products of combustion are irritating to the respiratory tract and may cause breathing difficulty. Symptoms may be delayed several hours or longer depending upon the extent of exposure.

Explosion Sensitivity to Mechanical Impact: Not sensitive.

Explosion Sensitivity to Static Discharge: Not sensitive.

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural fire fighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move fire-exposed containers, if it can be done without risk to firefighters. If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas. If necessary, discard or decontaminate fire response equipment before returning such equipment to service.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

The proper personal protective equipment for incidental releases (e.g.-1 L of the product released in a well-ventilated area) use impermeable gloves, specific for the material handled, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard-hat. Self Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, Select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

Absorb spilled liquid with polypads or other suitable absorbent materials. Neutralize residue with sodium bicarbonate and water rinse. Decontaminate the area thoroughly. Test area with litmus paper to confirm neutralization. Place all spill residue in a suitable container. Dispose of in accordance with Federal, State, and local hazardous waste disposal regulations (see Section 13, Disposal Considerations).

7. HANDLING and STORAGE:

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash hands after handling this product. Do not eat or drink while handling this material. Remove contaminated clothing immediately. Discard contaminated clothing items, or launder before re-use. Inform anyone handling such contaminated laundry of the hazards associated with this product. Use ventilation and other engineering controls to minimize potential exposure to this product.

STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to handle it safely. Avoid breathing mists or sprays generated by this product. Use in a well-ventilated location.

For Non-Bulk Containers: Open containers slowly, on a stable surface. Containers of this product must be properly labeled. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers, or in a diked area, as appropriate. Store containers away from incompatible chemicals. Keep container tightly closed when not in use. Wash thoroughly after using this material. Storage areas should be made of fire-resistant materials. If appropriate, post warning signs in storage and use areas. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid, therefore, empty containers should be handled with care.

Bulk Containers: All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel.

Tank Car Shipments: Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment.). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times. Tank cars must be level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tank (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be clean and free of incompatible chemicals, prior to connection to the tank car or vessel. Valves and hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Decontaminate equipment before maintenance begins by a triple-rinse with water followed, if necessary, by using sodium bicarbonate and an additional rinse. Collect all rinsates and dispose of according to applicable Federal, State, or local procedures.

3. EXPOSURE CONTROL/PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: If required use a corrosion-resistant ventilation system separate from other exhaust ventilation systems to ensure that there is no potential for overexposure to sprays, or mists of this product and that exposures are below those in section 2 (Composition and Information on Ingredients). Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below exposure limits listed in Section 2 (Composition and Information on Ingredients). If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, or applicable State regulations. If adequate ventilation is not available or if there is potential for airborne exposure above the exposure limits (listed in Section 2) a respirator may be worn up to respirator exposure limitations, check with respirator equipment manufactures recommendations/limitations. For a higher level of protection use positive pressure supplied air respiration protection or Self Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS:

Positive pressure, full-facepiece Self Contained Breathing Apparatus; or positive pressure, full-facepiece Self Contained Breathing Apparatus with an auxiliary positive pressure Self Contained Breathing Apparatus.

EYE PROTECTION: Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

HAND PROTECTION: Wear appropriate gloves for routine industrial use. Use appropriate gloves for spill response, as stated in Section 6 of this MSDS (Accidental Release Measures).

BODY PROTECTION: Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from natural rubber are generally acceptable, depending upon the task.



**Vapor
Respirator**



Safety Glasses



Safety Gloves



Synthetic Apron

9. PHYSICAL and CHEMICAL PROPERTIES

RELATIVE VAPOR DENSITY (air = 1): ND

SPECIFIC GRAVITY (water = 1): 1.0

SOLUBILITY IN WATER: Slightly soluble.

VAPOR PRESSURE, mm Hg @ 20 °C: ND

ODOR: Amine

LOG WATER/OIL DISTRIBUTION COEFFICIENT: Not available.

APPEARANCE AND COLOR: Clear to hazy amber liquid

HOW TO DETECT THIS SUBSTANCE (warning properties): Litmus paper will turn blue upon contact with this solution.

EVAPORATION RATE (n-BuAc=1): ND

MELTING/FREEZING POINT: Not established.

BOILING POINT: NA

pH: > 7

10. STABILITY and REACTIVITY

STABILITY: Stable.

DECOMPOSITION PRODUCTS: Thermal decomposition products of this solution can include a variety of compounds. (i.e. Aromatic compounds, Amines, Hydrocarbons, Phenolics, and other compounds).

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Avoid contact with acids, halogenated hydrocarbons, and oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur by itself. Considerable exothermic reaction with amine resins is possible.

CONDITIONS TO AVOID: Avoid exposure or contact to extreme temperatures and incompatible chemicals.

II. TOXICOLOGICAL INFORMATION

TOXICITY DATA: Additional toxicology information for components greater than 1 percent in concentration is provided below.

	<u>CAS 100-51-6</u>	<u>26139-75-3</u>	<u>CAS 112-24-3</u>
Ingestion LD50:	ND	>2000 mg/kg (Rat)	2500 mg/kg (Rat)
Inhalation LC50:	(4hr): > 4.178 mg/l (Rat)	ND	
SkinLD50:	2,000 mg/kg (Rabbit)	ND	805 mg/kg (Rabbit)
Eye irritation/corrosion:	Severe eye irritation	Mild eye irritation	
Acute dermal irritation/corrosion	Severe skin irritation	Mild skin irritation	

SUSPECTED CANCER AGENT: The major components of this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, CAL/OSHA in concentrations > 0.1 %; and are therefore not considered to be, nor suspected to be, cancer-causing agents by these agencies.

IRRITANCY OF PRODUCT: This product is severely irritating and corrosive to contaminated tissue.

SENSITIZATION TO THE PRODUCT: Prolonged or repeated skin contact can result in the development of rashes, and other allergy-like symptoms.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: This product is not reported to produce mutagenic effects in humans.

Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.

Teratogenicity: This product is not reported to cause teratogenic effects in humans.

Reproductive Toxicity: This product is not reported to cause reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

BIOLOGICAL EXPOSURE INDICES: Currently there are no Biological Exposure Indices (BEIs) associated with the components of this product.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Skin disorders can be aggravated by over-exposure to this product. Inhalation of this products mists may aggravate respiratory conditions.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate over-exposure to this product.

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

Aquatic toxicity:

Toxicity to fish – Components

Benzyl alcohol	LC50 (96 h): 10 mg/l Bluegill sunfish (<i>Lepomis macrochirus</i>)
Isophoronediamine	LC50 (96 h): 110 mg/l Golden orfe (<i>Leuciscus idus</i>), static renewal
Methylamine	LC50 2.4 mg/l Zebra Fish (<i>Brachydanania rerio</i>)
Nonylphenol	LC50 (96 h): 0.135 mg/l Fathead Minnow (<i>Pimephales promelas</i>), flow through

Toxicity to invertebrates

Benzyl alcohol	EC50 (24 h): 55 – 400 mg/l Water flea (<i>Daphnia magna</i>)
Isophoronediamine	EC50 (48 h): 23 mg/l Water flea (<i>Daphnia magna</i>), immobilization
Methylamine	EC50 2.4 mg/l Water flea (<i>Daphnia magna</i>)
Nonylphenol	EC50 (48 h): 0.14 mg/l Water flea (<i>Daphnia magna</i>), immobilization

Toxicity to Micro-organisms – Components

Benzyl alcohol IC50 (49 h): 2,100 mg/l activated sludge, respiration inhibition (OECD 209 Test)
Isophoronediamine EC10 (18 h): 1,120 mg/l bacteria, Growth inhibition (cell density reduction)

Toxicity to Aquatic Plants – Components

Isophoronediamine EC50 (72 h): 37 mg/l Alga Scenedesmus sp., biomass growth inhibition
Nonylphenol EC50 (96 h): .041 mg/l Green alga Pseudokirchneriella subcapitata (formerly known as Selenastrum capricornutum), Growth rate inhibition.

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. It may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

1. TRANSPORTATION INFORMATIONDepartment of Transportation:

Proper Shipping Name: Paint related material
Class: 8
UN/ID No.: UN3066
Packing Group: II

IMDG Shipping Data:

Proper Shipping Name: Paint related material
Class: 8
UN/ID No.: UN3066
Packing Group: II
EMS Number: F-A, S-B
Marine Pollutant: Yes

ICAO/IATA Shipping Data:

Proper Shipping Name: Paint related material
Class: 8
UN/ID No.: UN3066
Packing Group: II
Cargo Packing Instruction: 855
Passenger Packing Instruction: 851
Marine Pollutant: Yes (Nonylphenol)



OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

OSHA Hazard Communication Standard (29CFR1910.1200) hazard class (es) – Corrosive, Sensitizer.

SARA REPORTING REQUIREMENTS: The components of this product are not subject to the reporting requirements of Sections 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act. Hazard classification: Acute Health Hazard, Fire Hazard.

SARA Threshold Planning Quantity: Not applicable.

TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

CERCLA REPORTABLE QUANTITY (RQ): None

OTHER FEDERAL REGULATIONS: Not applicable.

New Jersey Right-to-know: The following is required composition information:

CAS Number: 112-24-3
Chemical Name: Triethylenetetramine

Pennsylvania Right-to-know: The following is required composition information:

CAS Number:	100-51-6	112-24-3
Chemical Name:	Benzenemethanol	Triethylene tetramine
Common Name:	Benzyl Alcohol	
Comment:	Hazardous Substance.	

CALIFORNIA PROPOSITION 65: Not listed.

WHMIS Classification:

D1B - Poisonous and infectious material - Immediate and serious effects - Toxic
D2B - Poisonous and infectious material - Other effects - Toxic
E - Corrosive material



D1B - Toxic



D2B - Toxic



E - Corrosive

WHMIS Health Effects Criteria Met by this Chemical:

D1B - Acute lethality - toxic - immediate
D2B - Skin Sensitization - toxic - other
E - Corrosive to skin
E - TDG class 8 - corrosive substance

WHMIS Ingredient Disclosure List:

Included for disclosure at 0.1% or greater.

B. OTHER INFORMATION

PREPARED BY:

BILL BEACH

CROSSFIELD PRODUCTS CORP,

THIS INFORMATION IS DRAWN FROM RECOGNIZED SOURCES BELIEVED TO BE RELIABLE. CROSSFIELD PRODUCTS CORP. MAKES NO GUARANTEES NOR ASSUMES ANY LIABILITY IN CONNECTION WITH THIS INFORMATION. THE USER SHOULD BE AWARE OF CHANGING TECHNOLOGY, RESEARCH, REGULATIONS AND ANALYTICAL PROCEDURES THAT MAY REQUIRE CHANGES HEREIN. THE ABOVE DATA IS SUPPLIED UPON THE CONDITION THAT PERSONS WILL EVALUATE THIS INFORMATION AND THEN DETERMINE ITS SUITABILITY FOR THEIR USE.

DEFINITIONS OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these which are commonly used include the following:

CAS #: This is the Chemical Abstract Service Number which uniquely identifies each constituent. It is used for computer-related searching.

EXPOSURE LIMITS IN AIR:

ACGIH - American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits.

TLV - Threshold Limit Value - an airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour **Time Weighted Average (TWA)**, the 15-minute **Short Term Exposure Limit**, and the instantaneous **Ceiling Level**. Skin adsorption effects must also be considered.

OSHA - U.S. Occupational Safety and Health Administration.

PEL - Permissible Exposure Limit - This exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1993 Air Contaminants Rule (*Federal Register*: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase, "Vacated 1989 PEL," is placed next to the PEL which was vacated by Court Order.

IDLH - Immediately Dangerous to Life and Health - This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. The **DFG - MAK** is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. **NIOSH** is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (**OSHA**). NIOSH issues exposure guidelines called Recommended Exposure Levels (**RELs**). When no exposure guidelines are established, an entry of **NE** is made for reference.

HMIS HAZARD RATINGS:

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: Health Hazard:

0 (minimal acute or chronic exposure hazard); 1 (slight acute or chronic exposure hazard); 2 (moderate acute or significant chronic exposure hazard); 3 (severe acute exposure hazard; onetime over-exposure can result in permanent injury and may be fatal); 4 (extreme acute exposure hazard; onetime over-exposure can be fatal). **Flammability Hazard:** 0 (minimal hazard); 1 (materials that require substantial pre-heating before burning); 2 (combustible liquid or solids; liquids with a flash point of 38-93°C [100-200°F]); 3 (Class IB and IC flammable liquids with flash points below 38°C [100°F]); 4 (Class IA flammable liquids with flash points below 23°C [73°F] and boiling points below 38°C [100°F]). **Reactivity Hazard:** 0 (normally stable); 1 (material that can become unstable at elevated temperatures or which can react slightly with water); 2 (materials that are unstable but do not detonate or which can react violently with water); 3 (materials that can detonate when initiated or which can react explosively with water); 4 (materials that can detonate at normal temperatures or pressures).

NATIONAL FIRE PROTECTION ASSOCIATION: Health Hazard: 0

(material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); 1 (materials that on exposure under fire conditions could cause irritation or minor residual injury); 2 (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); 3 (materials that can on short exposure could cause serious temporary or residual injury); 4 (materials that under very short exposure could cause death or major residual injury). **Flammability Hazard and Reactivity Hazard:** Refer to definitions for "Hazardous Materials Identification System".

FLAMMABILITY LIMITS IN AIR:

Much of the information related to fire and explosion is derived from the National Fire Protection Association (**NFPA**). **Flash Point** - Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. **Autoignition Temperature:** The minimum temperature required to initiate combustion in air with no other source of ignition. **LEL** - the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. **UEL** - the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

TOXICOLOGICAL INFORMATION:

Possible health hazards as derived from human data, animal studies, or from the results of studies with similar compounds are presented. Definitions of some terms used in this section are: **LD₅₀** - Lethal Dose (solids & liquids) which kills 50% of the exposed animals; **LC₅₀** - Lethal Concentration (gases) which kills 50% of the exposed animals; **ppm** concentration expressed in parts of material per million parts of air or water; **mg/m³** concentration expressed in weight of substance per volume of air; **mg/kg** quantity of material, by weight, administered to a test subject, based on their body weight in kg. Data from several sources are used to evaluate the cancer-causing potential of the material. The sources are: **IARC** - the International Agency for Research on Cancer; **NTP** - the National Toxicology Program, **RTECS** - the Registry of Toxic Effects of Chemical Substances, **OSHA** and **CAL/OSHA**. **IARC** and **NTP** rate chemicals on a scale of decreasing potential to cause human cancer with rankings from 1 to 4. Subrankings (2A, 2B, etc.) are also used. Other measures of toxicity include **TDLo**, the lowest dose to cause a symptom and **TCLo** the lowest concentration to cause a symptom; **TDo**, **LDLo**, and **LDo**, or **TC**, **TCo**, **LCLo**, and **LCo**, the lowest dose (or concentration) to cause death. **BEI** - Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV.

REGULATORY INFORMATION:

This section explains the impact of various laws and regulations on the material. **EPA** is the U.S. Environmental Protection Agency. **WHMIS** is the Canadian Workplace Hazardous Materials Information System. **DOT** and **TC** are the U.S. Department of Transportation and the Transport Canada, respectively. Other acronyms used are: **Superfund Amendments and Reauthorization Act (SARA)**; the **Toxic Substance Control Act (TSCA)**; Marine Pollutant status according to the **DOT**; California's Safe Drinking Water Act (**Proposition 65**); the **Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund)**; and various state regulations. This section also includes information on the precautionary warnings which appear on the materials package label.

CROSSFIELD PRODUCTS CORPORATION

www.crossfieldproducts.com

3000 E. Harcourt St.
Rancho Dominguez, CA 90221 (Headquarters)
(310)-886-9100 (8:00 AM – 5:00 PM Pacific Time)

140 Valley Rd.
Roselle Park, NJ 07204
(908)-245-2800 (8:00 AM – 5:00 PM Eastern Time)

SAFETY DATA SHEET**1. PRODUCT IDENTIFICATION**TRADE NAME (AS LABELED):**VLW Light Weight Underlayment Aggregate
(Types I, II and III)**CHEMICAL NAME/CLASS:

Dry Building Mortar

PRODUCT USE:

Deck Covering Polymer Admix

SUPPLIER/MANUFACTURER'S NAME:

Crossfield Products Corp.

ADDRESS: (West Coast):

3000 E. Harcourt St.
Rancho Dominguez, CA 90221 (Headquarters)

ADDRESS: (East Coast):

140 Valley Rd.
Roselle Park, NJ 07204

EMERGENCY PHONE:**CHEMTREC: 800-424-9300**DATE OF PREPARATION:

May 16, 2007

REVISION DATE:

June 6, 2014

2. HAZARD(S) IDENTIFICATION**GHS Classification:**

- Acute Toxicity Oral – Category 4
- Acute Toxicity Inhalation – Category 2
- Eye Damage/Irritation – Category 2B
- Carcinogenicity – Category 1A
- Specific Target Organ Toxicity Repeat Exposure – Category 1

Signal Word: Warning**Precautionary Statements:****Hazard Statements:**

- H333 May be harmful if inhaled
- H302 Harmful if swallowed
- H315 Causes skin irritation
- H320 Causes eye irritation
- H350 May cause cancer
- H372 Causes damage to organs through prolonged or repeated exposure

- P102: Keep out of reach of children
- P103: Read label before use
- P202 Do not handle until all safety precautions have been read and understood
- P281 Use personal protective equipment as required
- P501: Dispose of contents and container in accordance with all local, regional, national and international regulations
- P264: Wash thoroughly after handling
- P270: Do not eat, drink, or smoke when using this product
- P272: Contaminated work clothing should not be allowed out of the workplace
- P260: Do not breathe dust/fume/gas/mist/vapors/spray
- P271: Only use outdoors or in a well ventilated area
- P285: In case of inadequate ventilation wear respiratory protection

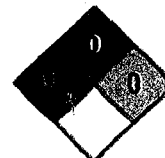
HMIS-RATINGS (SCALE 0 – 4)

HEALTH	0*
FLAMMABILITY	0
REACTIVITY	0

Health = 0*

Fire = 0

Reactivity = 0

NFPA RATING

* Chronic Health Hazard

EMERGENCY OVERVIEW:

For Routine Industrial Applications

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE: The most significant route of occupational overexposure is contact with skin. The symptoms of overexposure to this product are as follows:

INHALATION: It is possible to breathe this material under certain conditions of handling and use (for example, during mixing or spraying in a confined area). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

CONTACT WITH SKIN or EYES: Contact with the eyes may cause slight transient (temporary) eye irritation. Corneal injury is unlikely. Prolonged or repeated skin contact may dry the skin. Symptoms may include redness, drying and cracking of skin. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects), and numbness.

INGESTION: Ingestion is not anticipated to be a significant route of over-exposure to this product.

INJECTION: Though injection is not anticipated to be a significant route of over-exposure to this product, if it occurs, local reddening, tissue swelling, and discomfort may result.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms.

ACUTE: Contact with this solution may cause irritation of the eyes, skin, mucous membranes, and any other exposed tissue. If inhaled, irritation of the respiratory system may occur, with coughing, and breathing difficulty.

CHRONIC: Repeated skin contact with this product may result in dermatitis (inflammation and reddening of the skin). Prolonged or repeated exposure may cause liver and kidney damage.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% w/w	EXPOSURE LIMITS IN AIR					
			ACGIH		OSHA		IDLH mg/m³	OTHER mg/m³
			TLV mg/m³	STEL mg/m³	PEL mg/m³	STEL mg/m³		
SiO2, Al2O3, Na2O, K2O, CaO, MgO	NE	40 - 70	NE	NE	NE	NE	NE	
Aluminum Trihydrate	21645-51-2	15 - 40	Total-TWA 10	NE	15 (Total) 5 (Resp.)	NE	NE	ND
SiO2, Al2O3, Fe2O3, K2O, Na2O, CaO, MgO, TiO2	68131-74-8	15 - 40	NE	NE	NE	NE	NE	Mfg. TWA 8 hr 10 mg/m³
Silicone Dioxide (SiO2)	14808-60-7	0.1 – 1	Quartz: 0.025 mg/m³ Cristobalite: 0.025 mg/m³ Tridymite: Not Listed	NE		NE	NE	10 mg/m³ Cristobalite & Tridymite: 5 mg/m³
Water and other ingredients. The other ingredients are each present in less than 1 percent concentration in this product.		Balance	The components present in the balance of this product do not contribute any significant, additional hazards. All hazard information pertinent to this product has been presented in the remaining sections of this Material Safety Data Sheet, per the requirements of Federal Occupational Safety and Health Hazard Communication Standard (29 CFR 1910.1200).					
VOC Component = 0 g/L As Applied (Part of multi-component system) = 0 g/L								

NE = Not Established. C = Ceiling Limit. See Section 16 for Definitions of Terms Used.

NOTE: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-1993 format.

4. FIRST AID MEASURES

SKIN EXPOSURE: For Skin contact, if available, wash with large amounts of running water and soap for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Discard or decontaminate clothing before re-use, and destroy contaminated shoes.

EYE EXPOSURE: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

INHALATION: If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen.

INGESTION: If swallowed, immediately give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention. Have physician determine whether vomiting or stomach evacuation is necessary.

5. FIRE-FIGHTING MEASURES

FLASH POINT, °C (method): NA

AUTOIGNITION TEMPERATURE: Non Combustible

FLAMMABLE LIMITS (in air by volume, %): Lower (LEL): NE
Upper (UEL): NE

FIRE EXTINGUISHING MATERIALS:

Water Spray: YES

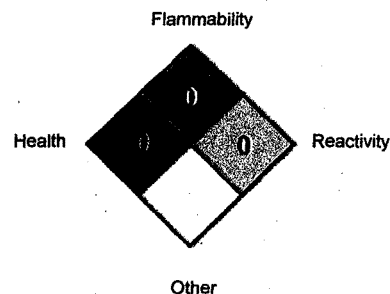
Foam: YES

Halon: YES

Carbon Dioxide: YES

Dry Chemical: YES

Other: Any "ABC" Class.

NFPA RATING

UNUSUAL FIRE AND EXPLOSION HAZARDS: Run-off from fire control may cause pollution. Keep fire-exposed containers cool with water spray to prevent rupture due to excessive heat. High pressure water hose may spread product from broken containers increasing contamination. If involved in a fire, this product may decompose to produce a variety of compounds (i.e. carbon monoxide, carbon dioxide, and other compounds). Emergency responders must wear the proper personal protective equipment suitable for the situation to which they are responding. Products of combustion are irritating to the respiratory tract and may cause breathing difficulty. Symptoms may be delayed several hours or longer depending upon the extent of exposure.

Explosion Sensitivity to Mechanical Impact: Not sensitive.

Explosion Sensitivity to Static Discharge: Not sensitive.

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural fire fighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move fire-exposed containers, if it can be done without risk to firefighters. If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas. If necessary, discard or decontaminate fire response equipment before returning such equipment to service.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

The proper personal protective equipment for incidental releases (e.g. -1 L of the product released in a well-ventilated area) use impermeable gloves, specific for the material handled, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard-hat. Self Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, Select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations. Absorb spilled liquid with polypads or other suitable absorbent materials. Neutralize residue with sodium bicarbonate and water rinse. Decontaminate the area thoroughly. Test area with litmus paper to confirm neutralization. Place all spill residue in a suitable container. Dispose of in accordance with Federal, State, and local hazardous waste disposal regulations (see Section 13, Disposal Considerations).

7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash hands after handling this product. Do not eat or drink while handling this material. Remove contaminated clothing immediately. Discard contaminated clothing items, or launder before re-use. Inform anyone handling such contaminated laundry of the hazards associated with this product. Use ventilation and other engineering controls to minimize potential exposure to this product.

STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to handle it safely. Avoid breathing mists or sprays generated by this product. Use in a well-ventilated location. **Keep from freezing.**

For Non-Bulk Containers: Open containers slowly, on a stable surface. Containers of this product must be properly labeled. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers, or in a diked area, as appropriate. Store containers away from incompatible chemicals. Keep container tightly closed when not in use. Wash thoroughly after using this material. Storage areas should be made of fire-resistant materials. If appropriate, post warning signs in storage and use areas. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid, therefore, empty containers should be handled with care.

Bulk Containers: All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel.

Tank Car Shipments: Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment.). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times. Tank cars must be grounded, level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tank (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be clean and free of incompatible chemicals, prior to connection to the tank car or vessel. Valves and hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Decontaminate equipment before maintenance begins by a triple-rinse with water followed, if necessary, by using sodium bicarbonate and an additional rinse. Collect all rinsates and dispose of according to applicable Federal, State, or local procedures.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: If required use a corrosion-resistant ventilation system separate from other exhaust ventilation systems to ensure that there is no potential for overexposure to sprays, or mists of this product and that exposures are below those in section 2 (Composition and Information on Ingredients). Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below exposure limits listed in Section 2 (Composition and Information on Ingredients). If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, or applicable State regulations. If adequate ventilation is not available or if there is potential for airborne exposure above the exposure limits (listed in Section 2) a respirator may be worn up to respirator exposure limitations, check with respirator equipment manufactures recommendations/limitations. For a higher level of protection use positive pressure supplied air respiration protection or Self Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS:

Positive pressure, full-facepiece Self Contained Breathing Apparatus; or positive pressure, full-facepiece Self Contained Breathing Apparatus with an auxiliary positive pressure Self Contained Breathing Apparatus.

EYE PROTECTION: Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

HAND PROTECTION: Wear appropriate gloves for routine industrial use. Use appropriate gloves for spill response, as stated in Section 6 of this SDS (Accidental Release Measures).

BODY PROTECTION: Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from natural rubber are generally acceptable, depending upon the task.

**For Routine
Industrial
Applications**



Safety Glasses



Safety Gloves



Synthetic Apron

9. PHYSICAL and CHEMICAL PROPERTIES

RELATIVE VAPOR DENSITY (air = 1): NA

SPECIFIC GRAVITY (water = 1): NE

VAPOR PRESSURE, mm Hg @ 20°C: ND

ODOR: No Distinct Odor

LOG WATER/OIL DISTRIBUTION COEFFICIENT: NA

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND COLOR: This product is a light gray powder.

HOW TO DETECT THIS SUBSTANCE: (warning properties): ND

EVAPORATION RATE (n-BuAc=1): NA

MELTING/FREEZING POINT: ND

BOILING POINT: NA

pH: (in water) >7

10. STABILITY and REACTIVITY

STABILITY: Stable.

DECOMPOSITION PRODUCTS: NA

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Acids

HAZARDOUS POLYMERIZATION: Will not occur by itself.

CONDITIONS TO AVOID: Avoid exposure or contact to extreme temperatures and incompatible chemicals.

II. TOXICOLOGICAL INFORMATION

TOXICITY DATA: Additional toxicology information for components greater than 1 percent in concentration is provided below.

Toxicity Data Silicone Dioxide (14808-60-7)

Organism	Test Type	Route	Reported Dose	Effect	Source
Dog	LDLo ¹	Intravenous	20 mg/kg		Biochemical Journal, Vol. 27, Pg. 1007, 1933
Human	LCLo ²	Inhalation	0.3 mg/m ³	Liver: Other Changes	Annals of the New York Academy of Sciences, Vol. 27, Pg. 324, 1976
Human	TCLo ³	Inhalation	16 mppcf (million particles per cu. ft.)	LUNGS, THORAX, or RESPIRATION: "Fibrosis, Focal (Pneumoconiosis)" LUNGS, THORAX, or RESPIRATION: Cough LUNGS, THORAX, or RESPIRATION: Dyspnea	National Technical Information Service. Vol. PB246-697
Mouse	LD4	Intratracheal	>20 mg/kg	LUNGS, THORAX, or RESPIRATION: Other Changes	American Review of Respiratory Disease, Vol. 41(Suppl), Pg. A3-A937, 1990
Mouse	LDLo ¹	Intravenous	40 mg/kg		Journal of the National Cancer Institute Vol. 1, Pg. 241, 1940
Rat	LDLo ¹	Intratracheal	200 mg/kg	LUNGS, THORAX, or RESPIRATION: "Fibrosis, Focal (Pneumoconiosis)"	British Journal of Industrial Medicine. Vol. 10, Pg. 9, 1953
Rat	LDLo ¹	Intravenous	90 mg/kg		Journal of the National Cancer Institute Vol. 57, Pg. 509, 1976

¹LDLo – (Lethal Dose Low), the low est dose of material to cause death in the organism.

²LCLo – (Lethal Concentration Low), the low est concentration of material in air at which death occurs. (Gases, mists, dusts, or vapor

³TCLo – (Toxic Concentration Low), the low est concentration of a material in air at which toxic effects occur. (Gases, mists, dusts, or

4LD – (Lethal Dose), the dose at which lethality occurs in the single test organism.

TOXICITY DATA: Additional toxicology information for components greater than 1 percent in concentration is provided below.
ND

SUSPECTED CANCER AGENT:

IARC classifies crystalline silica in Group 1, "known human carcinogen."

NTP classifies respirable crystalline silica in a category of substances which is "known to be a human carcinogen"

IRRITANCY OF PRODUCT: This product is moderately irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: Prolonged or repeated skin contact can result in the development of rashes, and other allergy-like symptoms.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: This product is not reported to produce mutagenic effects in humans.
Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
Teratogenicity: This product is not reported to cause teratogenic effects in humans.
Reproductive Toxicity: This product is not reported to cause reproductive effects in humans

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

BIOLOGICAL EXPOSURE INDICES: Currently there are no Biological Exposure Indices (BEIs) associated with the components of this product.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Skin disorders can be aggravated by over-exposure to this product. Inhalation of this products mists may aggravate respiratory conditions.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate over-exposure to this product.

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
 No ecological information available.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. .

EPA WASTE NUMBER:

14. TRANSPORTATION INFORMATION

<u>Department of Transportation:</u>	Not Regulated
Reportable Quantity (RQ):	None
<u>Sea Transport (IMDG):</u>	Not Regulated
<u>Air Transport (ICAO/IATA):</u>	Not Regulated

15. REGULATORY INFORMATION

OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA): This Safety Data Sheet (SDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

United States Federal Regulations

OSHA Hazcom Standard Rating:

Hazardous

US. EPA CERCLA Hazardous Substances (40 CFR 302):

Components - None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):

Components - None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65):

Components - None

TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

OTHER FEDERAL REGULATIONS: Status under the Federal Hazardous Substances Act and its Regulations:

None

WARNING: INJURIOUS TO EYES, CAUSES SKIN IRRITATION. READ THIS WARNING BEFORE USING.

Additional information:

RTECS: VV7330000

Prolonged inhalation of crystalline silica may result in silicosis, a disabling pulmonary fibrosis characterized by fibrotic changes and milary nodules in the lungs, a dry cough, shortness of breath, emphysema, decreased chest expansion, and increased susceptibility to tuberculosis. In advanced stages, loss of appetite, pleuritic pain, and total incapacity to work. Advanced silicosis may result in death due to cardiac failure or destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. The chronic health risks are associated with respirable particles of 3-4 um over protracted periods of time. Currently, there is a limited understanding of the mechanisms of quartz toxicity, including its mechanisms for lung carcinogenicity. Additional studies are needed to determine whether the cell transforming activity of quartz is related to its carcinogenic potential.

Component State Regulatory Information: The following components appear on one or more of the following state hazardous substances lists:

Component	C.A.S.	CA	MA	MN	NJ	PA	RI
Quartz	14808-60-7	Yes	Yes	Yes	Yes	Yes	No

CALIFORNIA PROPOSITION 65: This product contains chemicals known by the State of California to cause cancer, birth defects, or other reproductive harm. Carcinogens:

14808-60-7 Quartz

WHMIS Classification:

D2A - Poisonous and infectious material - Other effects - Very toxic



D2A - Very Toxic

15. OTHER INFORMATION

PREPARED BY: BILL BEACH
CROSSFIELD PRODUCTS CORP.

THIS INFORMATION IS DRAWN FROM RECOGNIZED SOURCES BELIEVED TO BE RELIABLE. CROSSFIELD PRODUCTS CORP. MAKES NO GUARANTEES NOR ASSUMES ANY LIABILITY IN CONNECTION WITH THIS INFORMATION. THE USER SHOULD BE AWARE OF CHANGING TECHNOLOGY, RESEARCH, REGULATIONS AND ANALYTICAL PROCEDURES THAT MAY REQUIRE CHANGES HEREIN. THE ABOVE DATA IS SUPPLIED UPON THE CONDITION THAT PERSONS WILL EVALUATE THIS INFORMATION AND THEN DETERMINE ITS SUITABILITY FOR THEIR USE.

DEFINITIONS OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these which are commonly used include the following:

CAS #: This is the Chemical Abstract Service Number which uniquely identifies each constituent. It is used for computer-related searching.

EXPOSURE LIMITS IN AIR:

ACGIH - American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits.

TLV - Threshold Limit Value - an airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour **Time Weighted Average (TWA)**, the 15-minute **Short Term Exposure Limit**, and the instantaneous **Ceiling Level**. Skin adsorption effects must also be considered.

OSHA - U.S. Occupational Safety and Health Administration.

PEL - Permissible Exposure Limit - This exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1993 Air Contaminants Rule (Federal Register, 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase, "Vacated 1989 PEL," is placed next to the PEL which was vacated by Court Order.

IDLH - Immediately Dangerous to Life and Health - This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. The **DFG - MAK** is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. **NIOSH** is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (**OSHA**). NIOSH issues exposure guidelines called Recommended Exposure Levels (**RELs**). When no exposure guidelines are established, an entry of **NE** is made for reference.

HMIS HAZARD RATINGS:

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: Health Hazard:

0 (minimal acute or chronic exposure hazard); 1 (slight acute or chronic exposure hazard); 2 (moderate acute or significant chronic exposure hazard); 3 (severe acute exposure hazard; onetime over-exposure can result in permanent injury and may be fatal); 4 (extreme acute exposure hazard; onetime over-exposure can be fatal). Flammability Hazard: 0 (minimal hazard); 1 (materials that require substantial pre-heating before burning); 2 (combustible liquid or solids; liquids with a flash point of 38-93°C [100-200°F]); 3 (Class IB and IC flammable liquids with flash points below 38°C [100°F]); 4 (Class IA flammable liquids with flash points below 23°C [73°F] and boiling points below 38°C [100°F]). Reactivity Hazard: 0 (normally stable); 1 (material that can become unstable at elevated temperatures or which can react slightly with water); 2 (materials that are unstable but do not detonate or which can react violently with water); 3 (materials that can detonate when initiated or which can react explosively with water); 4 (materials that can detonate at normal temperatures or pressures).

NATIONAL FIRE PROTECTION ASSOCIATION: Health Hazard: 0

(material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); 1 (materials that on exposure under fire conditions could cause irritation or minor residual injury); 2 (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); 3 (materials that can on short exposure could cause serious temporary or residual injury); 4 (materials that under very short exposure could cause death or major residual injury). Flammability Hazard and Reactivity Hazard: Refer to definitions for "Hazardous Materials Identification System".

FLAMMABILITY LIMITS IN AIR:

Much of the information related to fire and explosion is derived from the **National Fire Protection Association (NFPA)**. Flash Point - Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. Autoignition Temperature: The minimum temperature required to initiate combustion in air with no other source of ignition. LEL - the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL - the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

TOXICOLOGICAL INFORMATION:

Possible health hazards as derived from human data, animal studies, or from the results of studies with similar compounds are presented. Definitions of some terms used in this section are: **LD₅₀** - Lethal Dose (solids & liquids) which kills 50% of the exposed animals; **LC₅₀** - Lethal Concentration (gases) which kills 50% of the exposed animals; **ppm** - concentration expressed in parts of material per million parts of air or water; **mg/m³** - concentration expressed in weight of substance per volume of air; **mg/kg** - quantity of material, by weight, administered to a test subject, based on their body weight in kg. Data from several sources are used to evaluate the cancer-causing potential of the material. The sources are: **IARC** - the International Agency for Research on Cancer; **NTP** - the National Toxicology Program; **RTECS** - the Registry of Toxic Effects of Chemical Substances; **OSHA** and **CAL/OSHA**. **IARC** and **NTP** rate chemicals on a scale of decreasing potential to cause human cancer with rankings from 1 to 4. Subrankings (2A, 2B, etc.) are also used. Other measures of toxicity include **TDLo**, the lowest dose to cause a symptom and **TCLo** the lowest concentration to cause a symptom; **TD₀**, **LDLo**, and **LD₀**, or **TC**, **TC₀**, **LCLo**, and **LC₀**, the lowest dose (or concentration) to cause death. **BEI** - Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV.

REGULATORY INFORMATION:

This section explains the impact of various laws and regulations on the material. **EPA** is the U.S. Environmental Protection Agency. **WHMIS** is the Canadian Workplace Hazardous Materials Information System. **DOT** and **TC** are the U.S. Department of Transportation and the Transport Canada, respectively. Other acronyms used are: Superfund Amendments and Reauthorization Act (SARA); the Toxic Substance Control Act (TSCA); Marine Pollutant status according to the **DOT**; California's Safe Drinking Water Act (**Proposition 65**); the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund); and various state regulations. This section also includes information on the precautionary warnings which appear on the materials package label.

DEX-O-TEX®

VLW III LIGHTWEIGHT UNDERLAY KIT

STIR BEFORE USE - SHELF LIFE 12 MONTHS



0643

6-Gallon Kit

VOC: 0 g/l

MIL PRF 3135H TYPE III

FOR PROFESSIONAL USE ONLY



Dex-O-Tex Product Line - Greenfield Products Corp.

West Coast

3000 E. Harcourt Street
Rancho Dominguez, CA 90221

Tel: 310.886.9100

Fax: 310.886.9119

East Coast

140 Valley Road
Roselle Park, NJ 07204

Tel: 908.245.2800

Fax: 908.245.0659

Health 2
Flammability 1
Possible Reactivity 0

Health Hazards Ratings:

Toxic, Irritant, 0 - No significant Hazards

Corrosive, 1 - Slight 2 - Moderate

Sensitizer 3 - High 4 - Extreme

**THOROUGHLY READ
INSTRUCTIONS AND MSDS
SHEET BEFORE OPENING
WARNING**

Detectable amounts of chemicals
known to the state of California to
cause cancer, birth defects, or
other reproductive harm may be
found in the material.

Proposition 65 California health and
safety code section 252485 etc and

CAUTION!

This product may cause irritation.
Avoid contact with eyes or prolonged
contact with skin. Avoid repeated or
prolonged inhalation of vapors or dust.
Wash clothing before re-use.

FIRST AID IN CASE OF CONTACT

EYES - Immediately flush eyes with
plenty of water at least 15 minutes.
Call a physician.

SKIN - Flush skin with plenty of water.

KEEP OUT OF REACH OF CHILDREN

KEEP FROM FREEZING - PERISHABLE IF FROZEN

Shelf Life: One year from date of manufacture when properly stored in unopened original containers.

Asbestos Free: Complies with Air Pollution regulations

Caution: This material is one component of a multi-component product and will not harden unless all components are well mixed together

DEX-O-TEX®

VLW Type III Underlay

1QCB

100% Solids

0668

MIL PRF 3135H Type III

Mix Ratio (By Volume) 4A:1B

Mixed Coating VOC 0 g/l

Lot: #C76052 Date: 12.16.14

FOR PROFESSIONAL USE ONLY

Dex-O-Tex Product Line - Crossfield Products Corp.

West Coast

3000 E. Harcourt Street

Rancho Dominguez, CA 90221

Tel: 310.886.9100

Fax: 310.886.9109

East Coast

140 Valley Road

Roselle Park, NJ 07204

Tel: 908.245.2800

Fax: 908.245.0659

Health	3
Flammability	1
Possible Reactivity	0

Health Hazards	0	No Significant Hazards
Toxic/Irritant	0	No Significant Hazards
Corrosive	1-Slight	2-moderate
Sensitizer	3-High	4-Extreme

CAUTION!

This product may cause irritation. Avoid contact with eyes or prolonged contact with skin. Avoid repeated or prolonged inhalation of vapors or dust. Wash clothing before re-use.

FIRST AID IN CASE OF CONTACT

EYES - Immediately flush eyes with plenty of water at least 15 minutes. Call a physician.

SKIN - Flush skin with plenty of water.

KEEP OUT OF REACH OF CHILDREN



THOROUGHLY READ INSTRUCTIONS AND MSDS SHEET BEFORE OPENING

Detestable amounts of chemicals known to the state of California to cause cancer, birth defects or other reproductive harm may be found in the material. Proposition 65 California health and safety code section 252455 et seq.

KEEP FROM FREEZING - PERISHABLE IF FROZEN - STIR BEFORE USE - SHELF LIFE 12 MONTHS



0658

CAUTION!

This product may cause irritation. Avoid contact with eyes or prolonged contact with skin. Avoid repeated or prolonged inhalation of vapors or dust. Wash clothing before re-use.

FIRST AID IN CASE OF CONTACT

EYES - Immediately flush eyes with plenty of water at least 15 minutes. Call a physician.

SKIN - Flush skin with plenty of water.

KEEP OUT OF REACH OF CHILDREN

DEX-O-TEX®

VLW- Lightweight

Underlayment 17#Bag**MIL PRF 3135H Type III****Mix Ratio: 1-17# Bag to 1A TO 1B Component****FOR PROFESSIONAL USE ONLY****Dex-O-Tex Product Line - Crossfield Products Corp.****West Coast****3000 E. Hancock Street****Rancho Dominguez, CA 90223****Tel: 310.886.9100****Fax: 310.886.9119****East Coast****140 Valley Road****Roselle Park, NJ 07204****Tel: 908.245.2800****Fax: 908.245.0659****WARNING**

Detectable amounts of chemicals known to state of California to cause cancer, birth defects, or other reproductive harm may be found in the material. Proposition 65 California health and safety Code Section 252495 etc Seq.

**THOROUGHLY READ
INSTRUCTIONS AND MSDS SHEET
BEFORE OPENING**

Health Hazards	Health
Toxic, Irritant, Corrosive, Sensitizer	Flammability
	Possible Reactivity

Rating:**NO Significant Hazards****1 Slight 2 Moderate****3 High 4 Extreme**

KEEP FROM FREEZING - PERISHABLE IF FROZEN - STIR BEFORE USE - SHELF LIFE 12 MONTHS

DEX-O-TEX®

VLW Type III Underlay

STIR BEFORE USE - SHELF LIFE 12 MONTHS

Shelf Life: One year from date of manufacture when properly stored in unopened original containers

Asbestos Free: Complies with Air Pollution regulations

Caution: This material is one component of a multi-component product and will not harden unless all components are well mixed together.

1GCA



0667

MIL PRF 3135H Type III

Mix Ratio (By Volume) 4A : 1B

Mixed Coating VOC: 0 g/l

Health 2

Flammability 1

Possible Reactivity 1

Health Hazards Ratings.

Toxic/Irritant, 0-No Significant Hazards

Corrosive 1-Slight 2-Moderate

Sensitizer 3-High 4-Extreme

CAUTION!

This product may cause irritation. Avoid contact with eyes or prolonged contact with skin. Avoid repeated or prolonged inhalation of vapors or dust. Wash clothing before re-use.

FIRST AID IN CASE OF CONTACT

EYES - Immediately flush eyes with plenty of water at least 15 minutes. Call a physician.

SKIN - Flush skin with plenty of water.

KEEP OUT OF REACH OF CHILDREN

Lot: #C76051

Date: 12.15.14

FOR PROFESSIONAL USE ONLY



DEX-O-TEX Product Line - Grunfield Products Corp.

West Coast

3000 E. Harcourt Street

Rancho Dominguez, CA 90221

Tel: 310.886.9100

Fax: 310.886.9119

East Coast

140 Valley Road

Roselle Park, NJ 07204

Tel: 908.245.2800

Fax: 908.245.0659

THOROUGHLY READ INSTRUCTIONS AND MSDS SHEET BEFORE OPENING

Detectable amounts of chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm may be found in the material. Proposition 65 California health and safety code section 252495 et seq

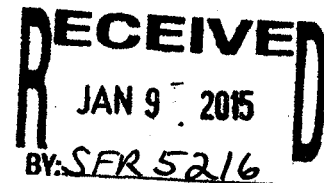
KEEP FROM FREEZING - PERISHABLE IF FROZEN

Celona, Michael J CIV NAVSUP WSS, M077

From: Legardye, Angeli D. ENS LHD4 (SUP/S8) <angeli.legardye@lhd4.navy.mil>
Sent: Friday, January 09, 2015 14:27
To: Celona, Michael J CIV NAVSUP WSS, M077
Subject: SFR Underlayment
Attachments: Dex-O-TexPriceListandPackagingData.pdf; Dex-O-TexVLWIIIUnderlayTechnicalDataSheet.pdf; Dex-O-TexVLWIIIUnderlayTechnicalInstallationInstructions.pdf; Dex-O-TexVLWIIIUnderlaymentKitMfgr'sData.pdf; Label# 0643VLWIIILIGHTWEIGHTUNDERLAYKIT6-GALLONKIT.PDF; Label# 0658VLWLIGHTWEIGHTUNDERLAYMENTAGGREGATE17#.pdf; Label# 0667VLWTYPEIIUNDERLAY1GCA.PDF; Label#0668VLWTYPEIIUNDERLAY1QCB.PDF; MSDS-#0658VLWIIIUnderlaymentAggregate.pdf; MSDS-# 0667VLWIIIUnderlayResinPartA.PDF; MSDS-#0668VLWIIIUnderlayResinPartB.PDF; SFR (Underlayment).docx

Signed By: angeli.legardye@navy.mil

Mike,



Attached is the SFR for the Underlayment Kit. I talked to Tom and he assured me that this is all the documents required. If you need anything else please let me know. Thank you.

V/R,

ENS LeGardye

HAZMAT Officer/S-9

USS BOXER (LHD 4)

W: 619-556-4105 ext 5318

C: 951-452-3200

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 13, 2015 11:36
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: USS BOXER (sbo@saltsmail.salts.navy.mil); Legardye, Angeli D. ENS LHD4 (SUP/S8) (angeli.legardye@lhd4.navy.mil); 'COMNAVAIRPAC'; 'COMNAVAIRLANT' (aor@saltsmail.salts.navy.mil); 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; TomZam@aol.com
Subject: USS BOXER: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5216
Signed By: mike.celona@navy.mil

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Naval Surface Warfare Center, Carderock Division-Ships Systems Engineering Station (NSWCCD-SSES), Code 6350

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: Adriana Gil-Matos

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5216) VLW III UNDERLAYMENT KIT, (Part# 0643), NSN: None
(d) POC for the USS Boxer (LHD-4): ENS LeGardye
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

Ref (b) has forwarded your SFR to ref (e) for further review and analysis. Upon ref (e) recommendation, NSWCCD TA will issue an authorization decision. At that time, ref (b) will advise all POC's of the final analysis (approval/disapproval) of ref (e) review. When the results of this analysis is complete, the SHML/T-SHML will be modified by ref (b) to reflect the appropriate information on its next update.

2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.



DEPARTMENT OF THE NAVY

NAVSUP WEAPON SYSTEMS SUPPORT

700 ROBBINS AVENUE
PHILADELPHIA PA 19111-5098

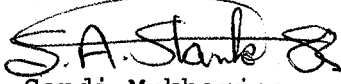
5450 CARLISLE PIKE - PO BOX 2020
MECHANICSBURG PA 17055-0788

COM & FTS 717-605-8319
DSN & EXT 430-8319
FAX # 717-605-3480
IN REPLY REFER TO:
4030
Ser N242/007
13 January 2015

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code M0772
To: Commanding Officer, Naval Surface Warfare Center, Carderock
Division-Ship Systems Engineering Station (NSWCCD-SSSES),
Code 635
Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIAL LIST (SHML) FEEDBACK
REPORT (SFR)

Encl: (1) SHML SFR (SFR# 5216)

1. Enclosure (1) contains a packet of one (1) SFR (SFR# 5216) for your review/recommendation.
2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code 0772.23, DSN 430-8319 for (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.


Sandi Mukherjee
For By Direction

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Friday, January 30, 2015 11:10
To: USNS ROBERT E. PEARY (adm@saltsmail.salts.navy.mil); 'Figuracion, Justin L.'
Cc: 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)';
'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077;
Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077;
Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson,
James N CIV NAVSUP FLC Norfolk, 401.2; Rowe, Arthur T CIV MSFSC, N41; Siebor, Adam
CIV NAVSUP FLC Norfolk, 401.2; Iaconianni, Frank J CIV NSWCCD Philadelphia, 6350;
Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS,
M077; Armacost, Andrew H CIV MSC, N46
Subject: USNS ROBERT E. PEARY: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK
REPORT (SFR) #5217 (FINAL ANSWER)

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code N242
To: Commanding Officer, USNS Robert E. Peary (T-AKE 5)
Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT),
Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC),
Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT),
Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80
Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK
REPORT (SFR)
Attn: Justin Figuracion USN
Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242,
Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5217) BATTERY NIMH, HI CAP,
(Part# BKB191210/36, NICKEL-METAL HYDRIDE BATTERY),
NSN: 6140-01-601-7636
(d) USNS Robert E. Peary (T-AKE 5) Point Of Contact (POC) Justin Figuracion USN
(e) Military Sealift Command (MSC) POC, Andrew Armacost, MSC CARGO Fuel
And HAZMAT Manager/GSC - N46, Norfolk Va., Tel: (757) 443-0899

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) & (e). The following information provides the current status of your SFR.

2. Concerning ref (c) SFR# 5217 per ref (e):

Mike,

Good morning. I could locate no suitable subs as already authorized or restricted on the existing T-SHML. R/request that SFR# 5217 be approved and that NSN 6140-01 -601 -7636 be marked with AOB code "A" on MSC's Master T-SHML.

THANKS and all the best,
Andrew

Mr. Andrew Armacost
MSC CARGO Fuel and Hazmat Manager/GSC - N46
471 East C Street
Bldg SP-64
Norfolk, VA 23511-2419
757-443-0899 Comm
757-710-2249
757-443-1506 Fax

Therefore, NSN 6140-01 -601 -7636 IS APPROVED FOR USE and has been updated in the Master SHML and the MSC T-SHML with an AOB code of "A" (AUTHORIZED FOR SHIPBOARD USE).

3. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Armacost, Andrew H CIV MSC, N46
Sent: Friday, January 30, 2015 9:29
To: Celona, Michael J CIV NAVSUP WSS, M077
Subject: FW: D8 Status (SHML form)
Attachments: 2015_01_12_15_14_25.pdf
Signed By: andrew.armacost@navy.mil

Mike,

Good morning. I could locate no suitable subs as already authorized or restricted on the existing T-SHML. R/request that SFR# 5217 be approved and that NSNS 6140-01 -601 -7636 be marked with AOB code "A" on MSC's Master T-SHML.

THANKS and all the best,
Andrew

Mr. Andrew Armacost
MSC CARGO Fuel and Hazmat Manager/GSC - N46
471 East C Street
Bldg SP-64
Norfolk, VA 23511-2419
757-443-0899 Comm
757-710-2249
757-443-1506 Fax

1H (A)
5/25/A
CV/MS/OT/AS/LP

-----Original Message-----

From: Figuracion, Justin L. [mailto:justin.l.figuracion.civ@ake5.navy.mil]
Sent: Monday, January 12, 2015 10:29 AM
To: Celona, Michael J CIV NAVSUP WSS, M077; Armacost, Andrew H CIV MSC, N46
Cc: Rowe, Arthur T CIV MSFSC, N41; Stanko, Scott CIV NAVSUP WSS, M077; Stoudt, Frank CIV NAVSUP WSS, M077
Subject: D8 Status (SHML form)

Good Morning,

Attached is the SHML Form for a NIIN that received a D8 status recently, these batteries are for our Hydro radios that we use through out the ship. These batteries are used on all AKE Class ships. Please let me know if you need anything else from us. Thank you.

V/R
JUSTIN FIGURACION
USNS ROBERT E PEARY
PH#: 619-544-7122 EXT 464
Email: Justin.L.Figuracion.CIV@AKE5.NAVY.MIL

ORIGINATOR:

NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319
 FAX: 717-605-3480, DSN: 430-3480

REC'D AT NAVSUP WSS: 1/12/2015 FPO#: AE09582 - 4110 UIC#: 23195 TYCOM: SURFLANT

TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5217 ATTACHED FROM (SHIP): USNS ROBERT E. PEARY (T-AKE 5) PRODUCT NAME: BATTERY NIMH, HI CAP DATE ON SFR: 1/10/2015
NAVSUP WSS	1/13/2015	MC	NSN/NIIN: 6140-01-601-7636 CAGE: S8032 PART NUMBER/DRAWING/SPECIFICATION: BKB191210/36, NICKEL-METAL HYDRIDE BATTERY SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; O=Obsolete; N=Not Determined) P
NSWCCD			MSDS NUMBER: (NIH=Not In HMIRS) CYCYR
ISEA			MIP: NONE
			MRC: NONE
LCM/ISEA			MIP/MRC: NONE
			APL: NONE
			AEL: NONE
NAVSUP WSS			APL/AEL: NONE
			TECHNICAL MANUAL: NONE
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: NONE			NOTES: 5/Z5/A 1 BATTERY EACH.

RECEIVED
JAN 12 2015
BY: SFR5217

Current Date: 1/10/2015

SHIP'S HAZARDOUS MATERIALS LIST (SHML)
FEEDBACK REPORT (SFR)

Master R
T-SHML-P
NIT
NIH

This form needs to be completed if the Hazardous Material that you want to purchase is not authorized on your T-SHML

SHIP NAME: USNS ROBERT E PEARY

HULL NUMBER: T-AKE 5

TYCOM: SURFLANT

UIC: N23195

Serial Number: N/A

AIRCRAFT RELATED: ☐ Yes ☒ No

I. JUSTIFICATION

(To include equipment/application this material is to be used on):
THESE ARE BATTERIES FOR THE SHIPS HYDRA RADIOS. THE RADIOS ARE FOR THE COMMUNICATION VIA RADIO THROUGH OUT THE SHIPS INTERIOR AND EXTERIOR.

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable):

II. TECHNICAL DATA

MAINTENANCE INDEX PAGE (MIP) #: N/A

MAINTENANCE REQUIREMENT CARD (MRC #: N/A

APL OR AEL: N/A

TECH MANUAL: N/A

REV: N/A ESTIMATED YEARLY REQUIREMENT: 100

III. MANUFACTURER DATA

(If requested NSN is provided proceed to section IV)

NSN: 6140-01-601-7636

MANUFACTURER: ~~HARRIS CORPORATION~~

PHONE: ~~434-455-3234~~

ITEM OR TRADE NAME: BATTERY NIMH, HI CAP

PART NUMBER OR SPECIFICATION: BKB191210/36

UNIT OF ISSUE: EA

UNIT OF MEASURE: 1

IV. ENDORSEMENTS

REQUESTORS NAME: JUSTIN FIGURACION

RANK: YNSK

EMAIL: JUSTIN.L.FIGURACION.CIV@NAVES.NAVY.MIL

DATE PREPARED: 1/10/2015

COMMANDER OR DESIGNEE NAME: JOHN S. LITTLE

RANK: CAPTAIN

EMAIL: JOHN.S.LITTLE.CIV@NAVES.NAVY.MIL

DATE: 1/10/2015

SIGNATURE: 

CO's signature denotes acceptance of all liabilities associated with the procurement and use of this non-SHML hazardous material

Electronic submission of SHML Feedback Report/s constitutes CO's approval

Mail to:

Commanding Officer, NAVSUP Weapons Systems Support
P.O. Box 2020, Code M0772.22
5450 Carlisle Pike, Mechanicsburg PA 17055-0788
Fax: DSN 430-3480 or COM 717-605-3480
Email: wraps.prime.fct@navy.mil

Celona, Michael J CIV NAVSUP WSS, M077

From: Figuracion, Justin L. <justin.l.figuracion.civ@ake5.navy.mil>
Sent: Monday, January 12, 2015 10:29
To: Celona, Michael J CIV NAVSUP WSS, M077; Armacost, Andrew H CIV MSC, N46
Cc: Rowe, Arthur T CIV MSFSC, N41; Stanko, Scott CIV NAVSUP WSS, M077; Stoudt, Frank CIV NAVSUP WSS, M077
Subject: D8 Status (SHML form)
Attachments: 2015_01_12_15_14_25.pdf

Good Morning,

Attached is the SHML Form for a NIIN that received a D8 status recently, these batteries are for our Hydro radios that we use through out the ship. These batteries are used on all AKE Class ships. Please let me know if you need anything else from us. Thank you.

V/R

JUSTIN FIGURACION

USNS ROBERT E PEARY

PH#: 619-544-7122 EXT 464

Email: Justin.L.Figuracion.CIV@AKE5.NAVY.MIL

RECEIVED
JAN 12 2015
BY: SFR 5217

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 13, 2015 15:49
To: Armacost, Andrew H CIV MSC, N46
Cc: USNS ROBERT E. PEARY (adm@saltsmail.salts.navy.mil); 'Figuracion, Justin L.'; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Rowe, Arthur T CIV MSFSC, N41; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077
Subject: USNS ROBERT E. PEARY: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5217

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commanding Officer, Military Sealift Command (MSC) N46, Norfolk Virginia

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: Andrew Armacost

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242,
Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5217) BATTERY NIMH, HI CAP,
(Part# BKB191210/36, NICKEL-METAL HYDRIDE BATTERY),
NSN: 6140-01-601-7636
(d) USNS Robert E. Peary (T-AKE 5) Point Of Contact (POC) Justin Figuracion USN
(e) Military Sealift Command (MSC) POC, Andrew Armacost, MSC CARGO Fuel
And HAZMAT Manager/GSC - N46, Norfolk Va., Tel: (757) 443-0899

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) & (e). The following information provides the current status of your SFR.

Ref (b) has forwarded your SFR to ref (e) for further review and analysis. Upon ref (e) recommendation, MSC TA will issue an authorization decision. At that time, ref (b) will advise all POC's of the final analysis (approval/disapproval) of ref (e) review. When the results of this analysis is complete, the SHML/T-SHML will be modified by ref (b) to reflect the appropriate information on its next update.

2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.



DEPARTMENT OF THE NAVY

NAVSUP WEAPON SYSTEMS SUPPORT

700 ROBBINS AVENUE
PHILADELPHIA PA 19111-5098

5450 CARLISLE PIKE - PO BOX 2020
MECHANICSBURG PA 17055-0788

COM & FTS 717-605-8319
DSN & EXT 430-8319
FAX # 717-605-3480
IN REPLY REFER TO:
4030
Ser 0772/00
13 January 2015

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code M0772
To: Commanding Officer, Military Sealift Command (MSC) N41,
Norfolk Virginia
Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIAL LIST (SHML)
FEEDBACK REPORT (SFR)

Encl: (1) SHML SFR (SFR# 5217)

1. Enclosure (1) contains a packet of one (1) SFR (SFR# 5217) for your review/recommendation.
2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code 0772.23, DSN 430-8319 for (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480

for Jeff Whitman
By Direction

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Thursday, January 29, 2015 16:45
To: USS DEVASTATOR (MCM-6) (mc6@saltsmail.salts.navy.mil); 'Barnett, Jeffrey LS2(SW) MCM-6'; SUPPO
Cc: 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: USS DEVASTATOR: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5218 (FINAL ANSWER)
Signed By: mike.celona@navy.mil

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commander, USS Devastator (MCM-6)

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: LS2(SW) Jeffery Barnett

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5218) SULFUR HEXAFLUORIDE, TECHNICAL, (Part# ASTM-D-2472), NSN: 6830-01-561-7653
(d) POC for the USS Devastator (MCM-6): LS2(SW) Jeffery Barnett
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

2. Concerning ref (c) SFR# 5218 per ref (e):

Mike,

USS Devastator (MCM 6)

SFR #5218: The SFR requested material (NSN 6830-01-561-7653; Sulfur Hexafluoride, Technical) is not specifically called out by the referenced technical manual. AN SQQ-32 SONAR requires the use of Sulfur Hexafluoride (SF-6). The SFR requested material (NSN 6830-01-561-7653) is for a 25 pound exchange cylinder for OCONUS CENTCOM. Currently, the only SF-6 authorized for use onboard MCM is NSN 6830-01-454-9231, which is a 40 pound full cylinder for CONUS use. Furthermore, NSN 6830-01-454-9231 is required onboard MCM 1 Class per AELs 7-11000A531 and 7-110000053. Therefore, NSN 6830-01-454-9231 is recommended to be used in place of the SFR requested material (NSN 6830-01-561-7653). NSN 6830-01-454-9231's SHML remarks should be updated to the following, "AELs 7-110000053 and 7-11000A531; AN/SQQ-30 and AN/SQQ-32 tools & installations use only." The MMI should remain as is. If NSN 6830-01-454-9231 does not meet the ship's needs, Ship's Force should contact NSWCCD Code 635 (POC: Frank Iaconianni) for further review and provide the following information: size of cylinder required, if the cylinder is needed CONUS or OCONUS, and if a full or exchange cylinder is needed.

V/R,

Tim Kurylo

NSWCCD Code 635

Head, Solid Waste & HAZMAT ISE Branch

5001 S Broad St, Philadelphia, PA 19112

o: 215-897-7181

c: 215-840-6384

timothy.kurylo@navy.mil

Therefore, NSN 6830-01-561-7653 IS NOT APPROVED for use. In lieu of the requested NSN, USE NSN 6830-01-454-9231 which has been updated in the Master SHML and the MCM T-SHML with an AOB code of "A" (AUTHORIZED FOR SHIPBOARD USE). The following remarks have been added: "AEL's 7-110000053 and 7-11000A531; AN/SQQ-30 AND AN/SQQ-32 TOOLS AND INSTALLATIONS USE ONLY)."

3. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Sent: Thursday, January 29, 2015 10:17
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350; He, Marianne C CIV NSWCCD Philadelphia, 6350
Subject: RE: SFR 5218 FOR YOUR REVIEW
Signed By: timothy.kurylo@navy.mil

Mike,

See below for response to SFR 5218:

USS Devastator (MCM 6)

Reg. P.

SFR #5218: The SFR requested material (NSN 6830-01-561-7653; Sulfur Hexafluoride, Technical) is not specifically called out by the referenced technical manual. AN SQQ-32 SONAR requires the use of Sulfur Hexafluoride (SF-6). The SFR requested material (NSN 6830-01-561-7653) is for a 25 pound exchange cylinder for OCONUS CENTCOM. Currently, the only SF-6 authorized for use onboard MCM is NSN 6830-01-454-9231, which is a 40 pound full cylinder for CONUS use. Furthermore, NSN 6830-01-454-9231 is required onboard MCM 1 Class per AELs 7-11000A531 and 7-110000053. Therefore, NSN 6830-01-454-9231 is recommended to be used in place of the SFR requested material (NSN 6830-01-561-7653). NSN 6830-01-454-9231's SHML remarks should be updated to the following, "AELs 7-110000053 and 7-11000A531, AN/SQQ-30 and AN/SQQ-32 tools & installations use only." The MMI should remain as is. If NSN 6830-01-454-9231 does not meet the ship's needs, Ship's Force should contact NSWCCD Code 635 (POC: Frank Iaconianni) for further review and provide the following information: size of cylinder required, if the cylinder is needed CONUS or OCONUS, and if a full or exchange cylinder is needed.

V/R,
Tim Kurylo
NSWCCD Code 635
Head, Solid Waste & HAZMAT ISE Branch
5001 S Broad St, Philadelphia, PA 19112
o: 215-897-7181
c: 215-840-6384
timothy.kurylo@navy.mil

*use A 9B
W/G3/H
mc/OT*

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Wednesday, January 14, 2015 7:55 AM
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Subject: SFR 5218 FOR YOUR REVIEW

ORIGINATOR:

NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319

FAX: 717-605-3480, DSN: 430-3480 *SURFLANT*

REC'D AT NAVSUP WSS: 1/12/2015

FPO#: AE09567 - 1926

UIC#: 21427

TYCOM: ~~SUREPAC~~

TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5218 ATTACHED FROM (SHIP): USS DEVASTATOR (MCM-6) PRODUCT NAME: SULFUR HEXAFLUORIDE, TECHNICAL DATE ON SFR: 1/7/2015
NAVSUP WSS	1/14/2015	MC	NSN/NIIN: 6830-01-561-7653 CAGE: 1Y2S6
NSWCCD			PART NUMBER/DRAWING/SPECIFICATION: ASTM-D-2472
ISEA			SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; O=Obsolete; N=Not Determined) P
			MSDS NUMBER: (NIH=Not in HMIRS) DBDDW
			MIP: NONE
			MRC: NONE
LCM/ISEA			MIP/MRC: NONE
			APL: NONE
			AEL: NONE
NAVSUP WSS			APL/AEL: NONE
			TECHNICAL MANUAL: ASTM-D-2472
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: NONE			NOTES: W/G3/H 25 POUND CYLINDER.

SHIP'S HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

*This form needs to be completed if the Hazardous Material
that you want to purchase is not authorized on your T-SHML*

SHIP NAME: USS DEVASTATOR

HULL NUMBER: MCM 6

TYCOM: SURFPAC

UIC: 21427

Serial Number: HE01

AIRCRAFT RELATED: ☐ Yes ☒ No**I. JUSTIFICATION**

(To include equipment/application this material is to be used on):

SHIPS FORCE REQUIRED TO HAVE A BOTTLE OF SF-6 FOR TOWED BODY SONAR AS PER THE AN/SQQ-32 IATM SECTION 6.3.3.2.4. SF-6 PREVENTS MOISTURE ON ELECTRONIC COMPONENTS. NO KNOWN ALTERNATIVE.

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable):

RECEIVED
JAN 12 2015
BY: SFR 5218

II. TECHNICAL DATA

MAINTENANCE INDEX PAGE (MIP) #: N/A

MAINTENANCE REQUIREMENT CARD (MRC) #: N/A

APL OR AEL: N/A

TECH MANUAL: AN/SQQ-32 IATM

REV:

ESTIMATED YEARLY REQUIREMENT:

III. MANUFACTURER DATA

(If requested NSN is provided proceed to section IV)

NSN: 6830-01-561-7653

MANUFACTURER: ASTM INSTITUTE INC FOR STANDARD

RESEARCH INC.

PHONE: 610-832-9585

ITEM OR TRADE NAME: SULFUR HEXAFLUORIDE, TECHNICAL

PART NUMBER OR SPECIFICATION: ASTM-D-2472

UNIT OF ISSUE: CY

UNIT OF MEASURE: 25 LB

IV. ENDORSEMENTS

REQUESTORS NAME: JEFFREY BARNETT

RANK: LS2

EMAIL: jeffrey.barnett@mcm6.navy.mil

DATE PREPARED: 1/7/2015

COMMANDER OR DESIGNEE NAME: KELECHI NDUKWE

RANK: LCDR

EMAIL: kelechi.ndukwe@mcm6.navy.mil

DATE: 1/7/2015

SIGNATURE: 

CO's signature denotes acceptance of all liabilities associated with
the procurement and use of this non-SHML hazardous material

DBDDW
W/G3/H
COULD NOT
OBTAIN NEWER
MSDS.

Electronic submission of SHML Feedback Report/s constitutes CO's approval

Mail to:

Commanding Officer, Naval Inventory Control Point

P.O. Box 2020, Code M0772.22

5450 Carlisle Pike, Mechanicsburg PA 17056-0788

Fax: DSN 430-3480 or COM 717-605-3480

Email: wraps.prime.fct@navy.mil

Celona, Michael J CIV NAVSUP WSS, M077

From: Barnett, Jeffrey LS2(SW) MCM-6 <jeffrey.barnett@mcm6.navy.mil>
Sent: Monday, January 12, 2015 13:42
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: SUPPO
Subject: USS Devastator SHML SFR 12 JAN 15
Attachments: ANSQQ-32 IATM Cover.jpg; ANSQQ-32 IATM p.1.jpg; ANSQQ-32 IATM p.2.jpg; ANSQQ-32 IATM p.3.jpg; ANSQQ-32 IATM p.4.jpg; ANSQQ-32 IATM p.5.jpg; DEV SFR 6830-01-561-7653.jpg
Signed By: JEFFREY.BARNETT@MCM4.NAVY.MIL

RECEIVED
JAN 12 2015
BY: SFR 5218

Good morning Mr. Celona,

Attached is a SFR completed to requisition SF-6 gas for use with MCM sonar equipment as well as the IATM document validating shipboard requirement. Please advise. Thank you.

V/r

LS2(SW) Jeffrey Barnett

USS Devastator (MCM-6)

FPO AE 09567-1926

HAZMAT Custodian

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Wednesday, January 14, 2015 7:50
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: USS DEVASTATOR (MCM-6) (mc6@saltsmail.salts.navy.mil); 'Barnett, Jeffrey LS2(SW) MCM-6'; SUPPO; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; TomZam@aol.com
Subject: USS DEVASTATOR: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5218

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Naval Surface Warfare Center, Carderock Division-Ships Systems Engineering Station (NSWCCD-SSES), Code 6350

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: Adriana Gil-Matos

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5218) SULFUR HEXAFLUORIDE, TECHNICAL, (Part# ASTM-D-2472), NSN: 6830-01-561-7653
(d) POC for the USS Devastator (MCM-6): LS2(SW) Jeffery Barnett
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

Ref (b) has forwarded your SFR to ref (e) for further review and analysis. Upon ref (e) recommendation, NSWCCD TA will issue an authorization decision. At that time, ref (b) will advise all POC's of the final analysis (approval/disapproval) of

ref (e) review. When the results of this analysis is complete, the SHML/T-SHML will be modified by ref (b) to reflect the appropriate information on its next update.

2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.



DEPARTMENT OF THE NAVY

NAVSUP WEAPON SYSTEMS SUPPORT

700 ROBBINS AVENUE
PHILADELPHIA PA 19111-5098

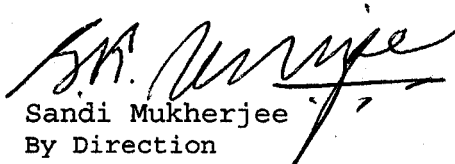
5450 CARLISLE PIKE - PO BOX 2020
MECHANICSBURG PA 17055-0788

COM & FTS 717-605-8319
DSN & EXT 430-8319
FAX # 717-605-3480
IN REPLY REFER TO:
4030
Ser N242/009
14 January 2015

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code M0772
To: Commanding Officer, Naval Surface Warfare Center, Carderock
Division-Ship Systems Engineering Station (NSWCCD-SSS),
Code 635
Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIAL LIST (SHML) FEEDBACK
REPORT (SFR)

Encl: (1) SHML SFR (SFR# 5218)

1. Enclosure (1) contains a packet of one (1) SFR (SFR# 5218) for your review/recommendation.
2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code 0772.23, DSN 430-8319 for (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.


Sandi Mukherjee
By Direction

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Friday, February 13, 2015 8:51
To: USNS JOSHUA HUMPHREYS (alh@saltsmail.salts.navy.mil); 'Gordula, Manuelito H, Civilian'; Thomas, Earl L, Civilian
Cc: 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Rowe, Arthur T CIV MSFSC, N41; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; Armacost, Andrew H CIV MSC, N46
Subject: USNS JOSHUA HUMPHREYS: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5219 (FINAL ANSWER)

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commanding Officer, USNS Joshua Humphreys (T-AO 188)

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: Manuelito H. Gordula

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242,
Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5219) BATTERY, NONRECHARGEABLE, (Part# 9146-102),
NSN: 6135-01-601-3046
(d) USNS Joshua Humphreys (T-AO 188) Point Of Contact (POC) Manuelito H. Gordula
(e) Military Sealift Command (MSC) POC, Andrew Armacost, MSC CARGO Fuel
And HAZMAT Manager/GSC - N46, Norfolk Va., Tel: (757) 443-0899

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) & (e). The following information provides the current status of your SFR.

2. Concerning ref (c) SFR# 5219 per ref (e):

Mike,

As discussed, R/request SFR 5219 be approved and marked with AOB code "A" on MSC's Master T-SHML.

Very best,
Andrew

Mr. Andrew Armacost
MSC CARGO Fuel and Hazmat Manager/GSC - N46
471 East C Street
Bldg SP-64
Norfolk, VA 23511-2419
757-443-0899 Comm
757-710-2249
757-443-1506 Fax

Therefore, NSN: 6135-01-601-3046 IS APPROVED FOR USE and has been updated in the Master SHML and the MSC T-SHML with an Allowed On Board (AOB) code of "A" (AUTHORIZED FOR SHIPBOARD USE).

3. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Friday, February 13, 2015 10:39
To: Armacost, Andrew H CIV MSC, N46
Cc: Celona, Michael J CIV NAVSUP WSS, M077; Eisenbarger, John CIV NSWCCD Philadelphia, 9450
Subject: RE: NAVMED Contact for SFR 5219 MAIT ACTION REQ/DATA BASE LOAD
Importance: High

Thanks everyone.

Andrew,

The point of contact you need for this maintenance action is Mike Correll, michael.correll@med.navy.mil. Contact info below.

Michael J. Correll
CVN Class Med/Den Equipment Complex Manager

Naval Medical Logistics Command
Operational Forces Support
693 Neiman St
Fort Detrick, MD 21702
(301)619-7003
DSN: 343

Respectfully,
Mike

Michael J. Celona
Environmental Protection Specialist
NAVSUP Weapon Systems Support (NWSS),
5450 Carlisle Pike,
Code N242
P.O. Box 2020
Mechanicsburg Pa. 17055-0788
Phone: (717) 605-8319
DSN: 430-8319
Fax: (717) 605-3480
DSN: Fax: 430-3480
mike.celona@navy.mil

"There is nothing, no circumstance, no trouble, no testing that can ever touch me until, first of all, it has come past God and past Christ, right through to me. If it has come that far it has come with a great purpose." Rev. Alan Redpath

-----Original Message-----

From: Eisenbarger, John CIV NSWCCD Philadelphia, 9450
Sent: Friday, February 13, 2015 10:28 AM

To: Celona, Michael J CIV NAVSUP WSS, M077
Subject: FW: NAVMED Contact

V/R,
John Eisenbarger,LMS
NAVSSSES Code-945

-----Original Message-----

From: Fee, Karen M CIV NSWCCD Philadelphia, 9450
Sent: Friday, February 13, 2015 10:26 AM
To: Eisenbarger, John CIV NSWCCD Philadelphia, 9450
Subject: RE: NAVMED Contact

John,

The POC is Mike Correll, michael.correll@med.navy.mil. Contact info below.

Michael J. Correll
CVN Class Med/Den Equipment Complex Manager

Naval Medical Logistics Command
Operational Forces Support
693 Neiman St
Fort Detrick, MD 21702
(301)619-7003
DSN: 343

Karen Fee
NSWCCD-SSSES, Code 94513
Please dial 1-888-801-7210 followed by 215-897-1107 Captioning Service for Hearing Impaired FAX 215-897-1137
karen.fee@navy.mil

-----Original Message-----

From: Eisenbarger, John CIV NSWCCD Philadelphia, 9450
Sent: Friday, February 13, 2015 10:13 AM
To: Fee, Karen M CIV NSWCCD Philadelphia, 9450
Subject: NAVMED Contact

Karen,

I have a request for provisioning of a battery that is used on a Defibrillator, I believe this is NAVMED equipment. Do you have a contact point for provisioning there ?

Thanks,

V/R,
John Eisenbarger,LMS
NAVSSSES Code-945

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Friday, February 13, 2015 10:24
To: Armacost, Andrew H CIV MSC, N46
Cc: Celona, Michael J CIV NAVSUP WSS, M077
Subject: FW: NIIN 016013046, SFR #5219: REQUEST NAVY USE/MGT DATA BE LOADED AND SENT TO NAVY ERP
Attachments: MAIT ACTION REQ FOR NIIN 016013046 SFR 5219.pdf
Signed By: mike.celona@navy.mil

Andrew,

I just got a call from John Eisenbarger from NSWCCD. John stated that he can't do anything with this because it has to go through NAVMED or MSC for action as far as getting management data and load into FLIS/Navy ERP. If you have any further questions, John will be able to answer them for you. But there isn't anything more I can do on my end.

Sorry for the disappointment.

Have a great weekend.

Respectfully,

Mike

Michael J. Celona
Environmental Protection Specialist
NAVSUP Weapon Systems Support (NWSS),
5450 Carlisle Pike,
Code N242
P.O. Box 2020
Mechanicsburg Pa. 17055-0788
Phone: (717) 605-8319
DSN: 430-8319
Fax: (717) 605-3480
DSN: Fax: 430-3480
mike.celona@navy.mil

"There is nothing, no circumstance, no trouble, no testing that can ever touch me until, first of all, it has come past God and past Christ, right through to me. If it has come that far it has come with a great purpose." Rev. Alan Redpath

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Friday, February 13, 2015 9:45 AM
To: Eisenbarger, John CIV NSWCCD Philadelphia, 9450
Cc: Celona, Michael J CIV NAVSUP WSS, M077; Armacost, Andrew H CIV MSC, N46
Subject: NIIN 016013046, SFR #5219: REQUEST NAVY USE/MGT DATA BE LOADED AND SENT TO NAVY ERP

John,

This is a battery for a defibrillator for cardiac arrest victims on board the MSC ships.

Respectfully,

Mike

Celona, Michael J CIV NAVSUP WSS, M077

From: Armacost, Andrew H CIV MSC, N46
Sent: Thursday, February 12, 2015 15:35
To: Celona, Michael J CIV NAVSUP WSS, M077
Subject: RE: SFR 5219 FOR YOUR REVIEW
Signed By: andrew.armacost@navy.mil

Mike,

As discussed, R/request SFR 5219 be approved and marked with AOB code "A" on MSC's Master T-SHML.

Very best,
Andrew

L/C3/H per Sandi

Mr. Andrew Armacost
MSC CARGO Fuel and Hazmat Manager/GSC - N46
471 East C Street
Bldg SP-64
Norfolk, VA 23511-2419
757-443-0899 Comm
757-710-2249
757-443-1506 Fax

AS/LP/MS/OT

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Friday, January 16, 2015 12:32 PM
To: Armacost, Andrew H CIV MSC, N46
Cc: Rowe, Arthur T CIV MSFSC, N41
Subject: FW: SFR 5219 FOR YOUR REVIEW

Andrew,

I will need the technical data in the "notes" portion of the SFR cover sheet (if you approve this product) so I can get the NSN re-established. I accidentally forwarded this to Adriana Gil-Matos at NSWCCD, Philadelphia the first time. I advised her to disregard the email.

Respectfully,
Mike

Michael J. Celona
Environmental Protection Specialist
NAVSUP Weapon Systems Support (NWSS),
5450 Carlisle Pike,
Code N242
P.O. Box 2020
Mechanicsburg Pa. 17055-0788
Phone: (717) 605-8319

ORIGINATOR: NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319 FAX: 717-605-3480, DSN: 430-3480			
REC'D AT NAVSUP WSS: 1/16/2015 FPO#: AE09573 - 4046 UIC#: 21419 TYCOM: SURFLANT			
TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5219 ATTACHED FROM (SHIP): USS JOSHUA HUMPHREYS (T-AO 188) PRODUCT NAME: BATTERY, NONRECHARGEABLE DATE ON SFR: 1/16/2015
NAVSUP WSS	1/16/2015	MC	NSN/NIIN: 6135-01-601-3046 CAGE: 1CDW6 PART NUMBER/DRAWING/SPECIFICATION: 9146-102
NSWCCD			SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; O=Obsolete; N=Not Determined) NIS
ISEA			MSDS NUMBER: (NIH=Not In HMIRS) NIH
			MIP: NONE MRC: NONE
LCM/ISEA			MIP/MRC: NONE
			APL: NONE AEL: NONE
NAVSUP WSS			APL/AEL: NONE
			TECHNICAL MANUAL: NONE
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: NONE <i>9.2 GRAM Battery</i> <i>L/C3/H</i> (b)(4)			NOTES: UNKNOWN HAZARD. NO UI/UM PROVIDED. NO MANAGEMENT DATA OR NAVY USE FOR THIS ITEM. NO MSDS PROVIDED. NO TECHNICAL DATA SHEET PROVIDED. NEED WEIGHT, PRICE & MANUFACTURER PRODUCT LABELS (FRONT AND BACK OF PRODUCT) OF BATTERY IF NSN IS TO BE REESTABLISHED.

Next Action sent
To John Eisenbarger 2-13-15.
Also Requested to be loaded
in Navy BOP.

AE09573-4046

Current Date: 1/16/2015

RECEIVED
JAN 16 2015
BY: SFR 5219

SHIP'S HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

N15
N1T
N1H

This form needs to be completed if the Hazardous Material that you want to purchase is not authorized on your T-SHML

SHIP NAME: USNS JOSHUA HUMPHREYS

HULL NUMBER: 188

TYCOM: MSC

UIC: 21419

Serial Number:

(T-AO 188)

AIRCRAFT RELATED: ☐ Yes ☒ No

I. JUSTIFICATION (To include equipment/application this material is to be used on):

AED G3 BATTERY IS USE FOR SHIPBOARD DIFIBRILLATOR. THE DIFIBRILLATOR IS LISTED IN THE AMAL ON RIC 2-37MSC5100; THE BATTERY IS NOT IN THE LIST. THE DIFIBRILLATOR IS INOPERABLE WITHOUT THE AED G3 BATTERY.

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable):

II. TECHNICAL DATA

MAINTENANCE INDEX PAGE (MIP) #:

MAINTENANCE REQUIREMENT CARD (MRC #):

APL OR AEL:

TECH MANUAL:

REV.

ESTIMATED YEARLY REQUIREMENT: 2

NO MANAGEMENT DATA
NO NAVY USE - NOT IN
NAVY SUPPLY SYSTEM

III. MANUFACTURER DATA (If requested NSN is provided proceed to section IV)

NSN: 6135 - 01 - 601 - 3046

MANUFACTURER: CARDIAC SCIENCE CORPORATION

PHONE: 262 - 953 - 3543

ITEM OR TRADE NAME: CARDIAC SCIENCE INC. (BATTERY, NON NONRECHARGEABLE)

PART NUMBER OR SPECIFICATION: 9146-102

UNIT OF ISSUE: EA

UNIT OF MEASURE:

UNKNOWN UE, UM, PRICE,

NO MSDS/TECH DATA SHEET/WEIGHT

IV. ENDORSEMENTS

REQUESTORS NAME: MANUELITO H. GORDULA

(b)(4)

RANK: SUPPO

EMAIL: manuelito.h.gordula.civ@msc.navy.mil

DATE PREPARED: 1/16/2015

COMMANDER OR DESIGNEE NAME: WILLIAM M. THOMAS

TICKET # 04770348

RANK: MASTER

EMAIL: william.m.thomas.civ@msc.navy.mil

DATE: 1/16/2015

SIGNATURE:

CO's signature denotes acceptance of all liabilities associated with the procurement and use of this non-SHML hazardous material

Electronic submission of SHML Feedback Report/s constitutes CO's approval

Email to: wraps.prime.fct@navy.mil

or

Mail to:

Commanding Officer, NAVSUP Weapon Systems Support

P.O. Box 2020, Code N242

5450 Carlisle Pike, Mechanicsburg PA 17055-0788

Fax: DSN 430-3480 or COM 717-605-3480

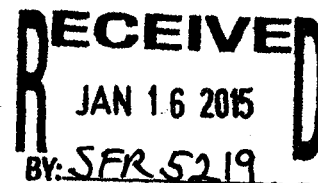
MSDS sent to HMM

L/C3/H

WEIGHT 9.2 GRAM

Celona, Michael J CIV NAVSUP WSS, M077

From: Gordula, Manuelito H, Civilian <Manuelito.H.Gordula.civ@MSC.NAVY.MIL>
Sent: Friday, January 16, 2015 7:01
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Gordula, Manuelito H, Civilian; Thomas, Earl L, Civilian
Subject: FW: QUOTES TO FILL REQNS N21419-4364-A279 FOR USNS JOSHUA HUMPHREYS T-AO 188
Attachments: SFR USNS JOSHUA HUMPHREYS T-AO 188.pdf



Mike,

Good morning. Please see attach SFR for USNS Joshua Humphreys (T-AO 188). Thank you and have a great day.

V/R

Manny

Suppo.humphreys@msc.navy.mil

Manuelito.h.gordula.civ@msc.navy.mil

619-544-7162 ext: 131

-----Original Message-----

From: Armacost, Andrew H CIV MSC, N46 [mailto:andrew.armacost@navy.mil]

Sent: Thursday, January 15, 2015 9:35 PM

To: Gordula, Manuelito H, Civilian

Cc: Danzy, Leonard (NMCI); Peterson, Erik C (NMCI); Thomas, Earl L, Civilian

Subject: RE: QUOTES TO FILL REQNS N21419-4364-A279 FOR USNS JOSHUA HUMPHREYS T-AO 188

Manny,

Got it. I confirmed no stock available via One Touch and this NIIN is not on your T-SHML. If this is a valid requirement across our fleet, let's take a systematic approach. SEPCOR I sent you the SFR template.

Please complete that form along with the closest thing you can find to a valid AEL/APL/MRC that codifies the requirement, as well as the MSDS, and submit that package to NAVSUP WSS:

mike.celona@navy.mil

NAVSUP will assign a SFR number and execute a tech edit. This usually takes 24 hours. If all is well, they'll forward the SFR to me for a final up-check. Once approved, the NIIN will reside on your T-SHML with a code of "A" for authorized. Afterwards, you'll be able to order via GPC because it's not available in the supply system. In addition to leveraging NAVSUP's expertise for a tech edit, this does two things.

First, it answers the mail for all MSC assets globally; meaning, once approved, no other ship will need to go through this process. Second, if stock is available in the DoD supply system in the future, it will remove any hurdles for requisitioning, thereby avoiding a "D8" rejection via ERP.

Good?

All the best,
Andrew

Mr. Andrew Armacost
MSC CARGO Fuel and Hazmat Manager/GSC - N46
471 East C Street
Bldg SP-64
Norfolk, VA 23511-2419
757-443-0899 Comm
757-710-2249
757-443-1506 Fax

-----Original Message-----

From: Gordula, Manuelito H, Civilian
[mailto:Manuelito.H.Gordula.civ@MSC.NAVY.MIL]
Sent: Thursday, January 15, 2015 12:42 PM
To: Armacost, Andrew H CIV MSC, N46
Cc: Danzy, Leonard B CIV MSC, N48; Peterson, Erik C CIV MSCHQ, N10; Gordula, Manuelito H, Civilian; Thomas, Earl L, Civilian
Subject: RE: QUOTES TO FILL REQNS N21419-4364-A279 FOR USNS JOSHUA HUMPHREYS T-AO 188

Mr. Armacost,

Greetings! Hope you are doing well. I was with ASD last year and the MSO DIFIB was OOC because the battery is dead. He asked me to order it thru the part number because it's not listed in the AMAL (the DEFIB is listed but not the battery, but it's useless with out the Battery). The NIIN offered no price nor characteristics (means GPC or open purchase is the only route). That's the first time I encountered how hard it is to ship HAZMAT from CONUS to OUTCONUS. I got the entire paper work straight, MSDS and all, but neither the company nor the Vendor has the capability to send it out to the ship via air thru ACA in Norfolk. I left the ship after four months and my relief continued my effort to get the battery to the ship. After two more months the manufacturer produced the paper work that satisfied ACA. ASD received the battery after 6 months. This is long before you start sending us the TSHML. Please see attachment for your perusal.

I am now at the Humphreys and the battery saga was repeated once more.

Again (the DIFIB is useless without the battery). At this time I knew that there's an AMAL coordinator in Norfolk and it should be easy to have the Difib battery sent to Humphreys. It started on August 2014 and now it's JAN 2015, yet still no Difib Battery. It got lost between AV Unit and FUJ. I cannot recall, but I think you start sending the TSHML on NOV. I cannot open that one so I leave it alone. I am not sure if there's a connection but our browser is obsolete as well as our PDF reader. Today we lost our PFD professional 9. We cannot save or sign anything that's PDF. Getting harder to open/save or sign something (MSC is not upgrading our system). Not to get off the subject but I want to add that for years we're receiving SHML disc from NAVSISA, but our browser cannot support it (won't open with an obsolete browser).

This time I decided to go ANORS (PMO). Visibility is the key. I knew if the battery can be purchase it will be ship to the ship as TP1. But then, you ask! Sorry it's a long story and I apologized for being behind and not delving more into the TSHML listing that you sent or using the TSHML feedback in place. I should know better next time. Many thanks and have a good evening.

[0032] N214194364A279 00002 EA UNKNOWN
COG(NSN) : 1H (6135016013046)
RIC From : PE8 [MSC MILITARY SEALIFT FLT SUPP CMD NORF
(N40442)]
RIC To : PE8 [MSC MILITARY SEALIFT FLT SUPP CMD NORF

(N40442)]

Contract Number: ROY A

Status(Date) : BD [REQN DELAYED FOR TECHNICAL REVIEW] (08 Jan

15)

REMARKS : DELAYED FOR TECHNICAL REVIEW AT MSC MILITARY
SEALIFT F

LT SUPP CMD NORF (N40442) ASSETS ARE NOT AVAILABLE.

V/R

Manny

Suppo.humphreys@msc.navy.mil

619-544-7162 ext: 131

-----Original Message-----

From: Armacost, Andrew H CIV MSC, N46 [mailto:andrew.armacost@navy.mil]

Sent: Wednesday, January 14, 2015 9:07 PM

To: Gordula, Manuelito H, Civilian

Cc: Danzy, Leonard (NMCI); Peterson, Erik C (NMCI)

Subject: RE: QUOTES TO FILL REQNS N21419-4364-A279 FOR USNS JOSHUA HUMPHREYS T-AO 188

SUPPO,

Greetings from Norfolk. Can you help us piece together this requirement a bit more? It looks like you went to PMO originally, and I see you're trying to the GPC route, but did the original requirement have a NSN? What system does it support? Can you forward along the AEL/APL/MRC showing this to be a valid requirement?

SEPCOR, last month, I sent you a the Type-SHIPBOARD Hazardous Material Listing (T-SHML) for MSC, which displays all NIINs with a Hazardous Material Indicator (HMIC) of "Y" (for "Yes") and also determines whether the item can be requisitioned. If it's not marked as "R" or "A" (Restricted or Authorized), then you'll get a D8 for that NIIN.

Not always, but almost always, when a CLF identifies a legitimate need for hazmat, a different CLF has already identified the requirement in the past and you'll see it as "A" on the T-SHML. Once in a while, an AEL/APL/MRC might get updated and yes, you could wind up being the first ship to identify the mismatch via the SFR process. But not usually. Usually, the requirement already has a suitable sub on the MSC Supply Chain contracts or else on the SHML.

So prior to submitting a SFR, here are the questions to ask:

1. Is there a suitable stock-numbered substitute already listed as approved on your existing T-SHML?
2. Is there a suitable sub listed on MSC's global supply chain contracts, such as the Shell contract, or Drew Chemicals or PPG?

If the answer is YES to either of the above, then please use one of these existing avenues.

If a suitable sub is unavailable via the supply system or MSC supply chain commodity contracts, then--and ONLY then--IAW the P-485 you'll need to initiate a SHML Feedback Requests (SFR) by first completing the document and sending it to NAVSUP WSS, who will review and send it to me for my review. Your NAVSUP WSS entry point is Mr. Mike Celona (mike.celona@navy.mil).

***The two key supporting documents when initiating the SFR are
A.) The AEL/APL or MRC that justifies the requirement and
B.) The Safety Data Sheet ("MSDS or "SDS.")

THANKS and all the best,
Andrew

Mr. Andrew Armacost
MSC CARGO Fuel and Hazmat Manager/GSC - N46
471 East C Street
Bldg SP-64
Norfolk, VA 23511-2419
757-443-0899 Comm
757-710-2249
757-443-1506 Fax

-----Original Message-----

From: Peterson, Erik C CIV MSCHQ, N10
Sent: Wednesday, January 14, 2015 10:04 AM
To: Armacost, Andrew H CIV MSC, N46
Cc: Danzy, Leonard B CIV MSC, N48
Subject: FW: QUOTES TO FILL REQNS N21419-4364-A279 FOR USNS JOSHUA HUMPHREYS T-AO 188
Importance: High

Andrew,

Can you take a look at the attached MSDS? Received a request to purchase potential HAZMAT on the purchase card.
Thanks.

V/r,
Erik Peterson
Procurement Analyst
GCPC HL5
U.S. Navy's Military Sealift Command
T: (202)685-0510
F: (202)685-5965

-----Original Message-----

From: Danzy, Leonard B CIV MSC, N48
Sent: Wednesday, January 14, 2015 9:42 AM
To: Carter, Eric C CIV MSC, N48; Carrington, Tracy A CIV, MSC, N48; Peterson, Erik C CIV MSCHQ, N10
Cc: Smith, Tanya C CIV MSC, N48; Kalingking, Eduardo C. CIV MSC, N48
Subject: FW: QUOTES TO FILL REQNS N21419-4364-A279 FOR USNS JOSHUA HUMPHREYS T-AO 188
Importance: High

Eric,

I have not heard back yet. I'll send it to them again after we find out if they can come into the warehouse.

Tracy/Tanya,

Can these batteries come into the warehouse FFT USNS HUMPHRIES? MSDS ATTACHED.

Please advise.

Leo Danzy
Lead GFM Manager
Bldg W-143, Fourth Floor
Norfolk, VA 23511-2419
757-443-3892 Comm
Leonard.Danzy@navy.mil

-----Original Message-----

From: Carter, Eric C CIV MSC, N48
Sent: Wednesday, January 14, 2015 6:06 AM
To: Danzy, Leonard B CIV MSC, N48
Cc: Kalingking, Eduardo C. CIV MSC, N48; Kelly, Eugene N CTR MSC, N48
Subject: FW: QUOTES TO FILL REQNS N21419-4364-A279 FOR USNS JOSHUA HUMPHREYS T-AO 188

Leo

I know you sent this to APC for the hazmat approval. Have you heard back from Erick?

R
Eric

-----Original Message-----

From: Carter, Eric C CIV MSC, N48
Sent: Thursday, January 08, 2015 12:13 PM
To: 'onestop@tworiversmedical.com'
Cc: Angeles, Roy F CIV PMOHQ, 1; Kalingking, Eduardo C. CIV MSC, N48; Kelly, Eugene N CTR MSC, N48; Danzy, Leonard B CIV MSC, N48; Carter, Eric C CIV MSC, N48
Subject: RE: QUOTES TO FILL REQNS N21419-4364-A279 FOR USNS JOSHUA HUMPHREYS T-AO 188

Kristen / Customer Service,

Do you have a MSDS for PN: 9146102 (see attached quote)?

R
Eric

-----Original Message-----

From: Danzy, Leonard B CIV MSC, N48
Sent: Thursday, January 08, 2015 12:08 PM
To: Carter, Eric C CIV MSC, N48
Cc: Angeles, Roy F CIV PMOHQ, 1; Kalingking, Eduardo C. CIV MSC, N48; Kelly, Eugene N CTR MSC, N48
Subject: RE: QUOTES TO FILL REQNS N21419-4364-A279 FOR USNS JOSHUA HUMPHREYS T-AO 188

Can you have the manufacturer or vendor to send us the MSDS for this?

R
Leo

-----Original Message-----

From: Carter, Eric C CIV MSC, N48
Sent: Thursday, January 08, 2015 12:05 PM
To: Danzy, Leonard B CIV MSC, N48
Cc: Angeles, Roy F CIV PMOHQ, 1; Kalingking, Eduardo C. CIV MSC, N48; Kelly, Eugene N CTR MSC, N48; Carter, Eric C CIV MSC, N48
Subject: FW: QUOTES TO FILL REQNS N21419-4364-A279 FOR USNS JOSHUA HUMPHREYS T-AO 188

Leo,

On the quote it says item is hazardous... please advise.

R
Eric

-----Original Message-----

From: Angeles, Roy F CIV PMOHQ, 1
Sent: Thursday, January 08, 2015 11:03 AM
To: Martin, Robert F CIV MSC, N44A; Kalingking, Eduardo C. CIV MSC, N48; Carter, Eric C CIV MSC, N48; Danzy, Leonard B CIV MSC, N48; MSC_SupplyChain
Subject: QUOTES TO FILL REQNS N21419-4364-A279 FOR USNS JOSHUA HUMPHREYS T-AO 188

Attached is the quote to fill subj reqn.

Currently, reqn is in BD/PE8 status.

v/r,
Roy F. Angeles
PMO Bremerton WA
(360) 476-2342
(360) 476-2467 fax
roy.angeles@navy.mil

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Friday, January 16, 2015 12:20
To: Armacost, Andrew H CIV MSC, N46
Cc: USNS JOSHUA HUMPHREYS (alh@saltsmail.salts.navy.mil); 'Gordula, Manuelito H, Civilian'; Thomas, Earl L, Civilian; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Rowe, Arthur T CIV MSFSC, N41; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077
Subject: USNS JOSHUA HUMPHREYS: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5219

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commanding Officer, Military Sealift Command (MSC) N46, Norfolk Virginia

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: Andrew Armacost

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242,
Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5219) BATTERY, NONRECHARGEABLE, (Part# 9146-102),
NSN: 6135-01-601-3046
(d) USNS Joshua Humphreys (T-AO 188) Point Of Contact (POC) Manuelito H. Gordula
(e) Military Sealift Command (MSC) POC, Andrew Armacost, MSC CARGO Fuel
And HAZMAT Manager/GSC - N46, Norfolk Va., Tel: (757) 443-0899

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) & (e). The following information provides the current status of your SFR.

Ref (b) has forwarded your SFR to ref (e) for further review and analysis. Upon ref (e) recommendation, MSC TA will issue an authorization decision. At that time, ref (b) will advise all POC's of the final analysis (approval/disapproval) of

ref (e) review. When the results of this analysis is complete, the SHML/T-SHML will be modified by ref (b) to reflect the appropriate information on its next update.

2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.



DEPARTMENT OF THE NAVY

NAVSUP WEAPON SYSTEMS SUPPORT

700 ROBBINS AVENUE
PHILADELPHIA PA 19111-5098

5450 CARLISLE PIKE - PO BOX 2020
MECHANICSBURG PA 17055-0788

COM & FTS 717-605-8319
DSN & EXT 430-8319
FAX # 717-605-3480
IN REPLY REFER TO:
4030
Ser 0772/010
16 January 2015

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code M0772
To: Commanding Officer, Military Sealift Command (MSC) N41,
Norfolk Virginia
Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIAL LIST (SHML)
FEEDBACK REPORT (SFR)

Encl: (1) SHML SFR (SFR# 5219)

1. Enclosure (1) contains a packet of one (1) SFR (SFR# 5219) for your review/recommendation.
2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code 0772.23, DSN 430-8319 for (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480

for Jeff Whitman
By Direction

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Friday, January 30, 2015 7:27
To: USS THEODORE ROOSEVELT; Hegarty, Emily E. LTJG (Emily.Hegarty@cvn71.navy.mil); Mahler, Christian M. CDR (SUPPO); Hill, Joshua R. LCDR
Cc: Richardson, David W CTR CNAP, N412; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; TomZam@aol.com; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: USS THEODORE ROOSEVELT: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5220 (FINAL ANSWER)

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commander, USS Theodore Roosevelt (CVN-71)

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: LTJG Emily W. Hegarty

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5220) DEX-O-TEX COLORFLAKE M CHIPS, (Part# 0444-50), NSN: None
(d) POC for the USS Theodore Roosevelt (CVN-71): LTJG Emily W. Hegarty
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

2. Concerning ref (c) SFR# 5220 per ref (e):

Mike,

USS Theodore Roosevelt (CVN 71)

SFR #5220: The SFR requested material (NSN: None; Part #0444-50; Dex-O-Tex Colorflake M Chips) is not specifically called out by the referenced technical manual (NSTM Chapter 634). Therefore, the requested material is not authorized at this time and should remain unlisted on the SHML. For more information and further assistance, Ship's Force should contact NSWCCD Code 614 (POC: Deborah Merlino).

V/R,

Tim Kurylo

NSWCCD Code 635

Head, Solid Waste & HAZMAT ISE Branch

5001 S Broad St, Philadelphia, PA 19112

o: 215-897-7181

c: 215-840-6384

timothy.kurylo@navy.mil

Therefore, ref (c) product IS NOT APPROVED for use and will not be added to the SHML.

3. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Sent: Thursday, January 29, 2015 10:58
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: RE: SFR 5220 FOR YOUR REVIEW
Signed By: timothy.kurylo@navy.mil

Mike,

See below for response to SFR 5220:

USS Theodore Roosevelt (CVN 71)

SFR #5220: The SFR requested material (NSN: None; Part #0444-50; Dex-O-Tex Colorflake M Chips) is not specifically called out by the referenced technical manual (NSTM Chapter 634). Therefore, the requested material is not authorized at this time and should remain unlisted on the SHML. For more information and further assistance, Ship's Force should contact NSWCCD Code 614 (POC: Deborah Merlino).

Reg Do not add.

V/R,
Tim Kurylo
NSWCCD Code 635
Head, Solid Waste & HAZMAT ISE Branch
5001 S Broad St, Philadelphia, PA 19112
o: 215-897-7181
c: 215-840-6384
timothy.kurylo@navy.mil

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 20, 2015 9:06 AM
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Subject: SFR 5220 FOR YOUR REVIEW

ORIGINATOR:

NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319
 FAX: 717-605-3480, DSN: 430-3480

REC'D AT NAVSUP WSS: 1/16/2015 FPO#: AE09599 - 2871 UIC#: 21247 TYCOM: SURFLANT

TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5220 ATTACHED FROM (SHIP): USS THEODORE ROOSEVELT (CVN-71) PRODUCT NAME: DEX-O-TEX COLORFLAKE M CHIPS DATE ON SFR: 1/16/2015
NAVSUP WSS	1/20/2015	MC	NSN/NIIN: - - - CAGE: 88164 PART NUMBER/DRAWING/SPECIFICATION: 0444-50
NSWCCD			SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; O=Obsolete; N=Not Determined)
ISEA			NIS
			MSDS NUMBER: (NIH=Not In HMIRS) NIH
			MIP: NONE
			MRC: NONE
LCM/ISEA			MIP/MRC: NONE
			APL: NONE
			AEL: NONE
NAVSUP WSS			APL/AEL: NONE
			TECHNICAL MANUAL: 89086-VG-STM-010, CH. 634, REV 4
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: NONE			NOTES: 5/T6/B 52 POUND BAG. (b)(4) NOT FOUND IN NAVY SUPPLY SYSTEM. **** THIS IS A ONE TIME BUY ****

RECEIVED
JAN 16 2015

AE09599-2871

Current Date: 1/16/2015

SHIP'S HAZARDOUS MATERIALS LIST (SHML)
FEEDBACK REPORT (SFR)

NIS
NIT
N1H

NOT IN DLSC

BY: SFR 5220

This form needs to be completed if the Hazardous Material
that you want to purchase is not authorized on your T-SHML

SHIP NAME: THEODORE ROOSE

HULL NUMBER: CVN 71

TYCOM: COMNAVAIRLANT

UIC: 21247

Serial Number: 150160730

AIRCRAFT RELATED: ☐ Yes ☒ No

I. JUSTIFICATION

(To include equipment/application this material is to be used on):

MATERIAL TO BE TO USED TO REFINISH INTERIOR METAL DECKS LEFT UNTREATED AFTER SHIPYARD PERIOD.

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable):

N/A

II. TECHNICAL DATA

MAINTENANCE INDEX PAGE (MIP) #: N/A

MAINTENANCE REQUIREMENT CARD (MRC) #: N/A

APL OR AEL: N/A

TECH MANUAL: 89086-VG-STM-010 CH-634

REV: 4

ESTIMATED YEARLY REQUIREMENT: 1.00 ONE TIME USE

III. MANUFACTURER DATA

(If requested NSN is provided proceed to section IV)

NSN: 0000-00-000-0000

MANUFACTURER: CROSSFIELD PRODUCTS CORP.

PHONE: 908-245-2800 CAGE: 88167

ITEM OR TRADE NAME: DEX-O-TEX COLORFLAKE M CHIPS

610-647-9792 TOM ZAMBETTI

PART NUMBER OR SPECIFICATION: 0444-50

UNIT OF ISSUE: BG

UNIT OF MEASURE: 50 LBS

MSDS ATTACHED
5/16/13

IV. ENDORSEMENTS

REQUESTORS NAME: EMILY W HEGARTY

RANK: LTJG

EMAIL: emily.hegarty@cvn71.navy.mil

DATE PREPARED: 1/16/2015

COMMANDER OR DESIGNEE NAME: CHRISTIAN MAHLER

RANK: CDR

EMAIL: suppo@cvn71.navy.mil

DATE: 1/16/2015

SIGNATURE: 

CO's signature denotes acceptance of all liabilities associated with
the procurement and use of this non - SHML hazardous material

Electronic submission of SHML Feedback Report/s constitutes CO's approval

Mail to:
Commanding Officer, Naval Inventory Control Point
P.O. Box 2020, Code M0772.22
5450 Carlisle Pike, Mechanicsburg PA 17055-0788
Fax: DSN 430-3480 or COM 717-605-3480
Email: wraps.prime.fct@navy.mil

Copy Tom Zambetti
+
Dave Richardson

ELASTAFLAKE - MIL-PRF-24613, TYPE II CLASS 2 MATERIAL

ITEM #	ITEM DESCRIPTION	UNIT SIZE	LIST PRICE	WEIGHT	# PER CARTON
0563	T/M Basecoat	Un1/2A	(b)(4)	4.1 lbs	4
0564	T/M Basecoat	Un1/2B		1.3 lbs	4
	TOTAL	Unit 1/2		5.4 lbs	
0565	T/M Basecoat	Un1A	(b)(4)	7.7 lbs	4
0566	T/M Basecoat	Un1B		2.3 lbs	4
	TOTAL	Unit 1		10.0 lbs	
1642	Elastaflake Basecoat	Un5A	(b)(4)	45.8 lbs	4
1643	Elastaflake Basecoat	Un5B		9.0 lbs	4
	TOTAL	Unit 5		54.8 lbs	
0443-50	1/4" Colorflake Chips, Solid Colors	50 # box	(b)(4)	52 lbs	N/A
0443-50-CF	1/4" Colorflake Chips, Blended Colors	50 # box		52 lbs	N/A
0444-50	1/4" Colorflake Chips, Solid Colors (2000 bag)	50 # box		52 lbs	N/A
1640-Color	Elastaflake Colorcoat	Un1A	(b)(4)	9.1 lbs	4
1641	Elastaflake Colorcoat	Un1B		3.0 lbs	4
	TOTAL	Unit 1		12.1 lbs	
1416	T/M Clearsealer	Un1/2G	(b)(4)	3.5 lbs	4
1417	T/M Clearsealer	Un1/2H		1.9 lbs	4
	TOTAL	Unit 1/2		5.4 lbs	
1422	T/M Clearsealer (KIT NSN #8030-01-1888-2973)	Un1G	(b)(4)	4.5 lbs	4
1423	T/M Clearsealer (KIT NSN #8030-01-1888-2973)	Un1H		2.75 lbs	4
	TOTAL	Unit 1		7.25 lbs	
TERRAZZO IN FINE - MIL-PRF-24613, TYPE I CLASS 1 MATERIAL					
0563	T/M Basecoat	Un1/2A	(b)(4)	4.1 lbs	4
0564	T/M Basecoat	Un1/2B		1.3 lbs	4
	TOTAL	Unit 1/2		5.4 lbs	
0565	T/M Basecoat	Un1A	(b)(4)	7.7 lbs	4
0566	T/M Basecoat	Un1B		2.3 lbs	4
	TOTAL	Unit 1		10.0 lbs	
0528	T/M Fine Basecoat Resin	Un1/2C	(b)(4)	2.82 lbs	4
0529	T/M Fine Basecoat Resin	Un1/2D		0.54 lbs	4
	TOTAL	Unit 1/2		3.36 lbs	
0528-1	T/M Fine Basecoat Resin	Un1C	(b)(4)	6.6 lbs	4
0529-1	T/M Fine Basecoat Resin	Un1D		1.5 lbs	4
	TOTAL	Unit 1		8.1 lbs	
0545	T/M Fine Aggregate (NSN #1H-0099-LL-1459-5536)	50 # bag	(b)(4)	50.3 lbs	1
0544	T/M Fine Kit	5 gal pail		57.0 lb	N/A
	(T/M Fine Kit consists of Un1/2C (0528), Un1/2D (0529) plus T/M Fine Aggregate (0545) packaged in 5-gal pail)				
1416	T/M Clearsealer	Un1/2G	(b)(4)	3.5 lbs	4
1417	T/M Clearsealer	Un1/2H		1.9 lbs	4
	TOTAL	Unit 1/2		5.4 lbs	
1422	T/M Clearsealer (KIT NSN #8030-01-1888-2973)	Un1G	(b)(4)	4.5 lbs	4
1423	T/M Clearsealer (KIT NSN #8030-01-1888-2973)	Un1H		2.75 lbs	4
	TOTAL	Unit 1		7.25 lbs	

III. MANUFACTURER DATA

NSN: No current NSN – Applying for an NSN's for #0444-50 Dex-O-Tex Colorflake M Chips

Manufacturer and CAGE Code:

Crossfield Products Corp.

3000 E. Harcourt St.

Rancho Dominguez, CA 90221

Phone: (310) 886-9100

Fax: (310) 886-9119

Rancho Dominguez, CA = CAGE Code 60782 - Phone: (310) 886-9100

Roselle Park, NJ = CAGE Code 88167 – Phone: (908) 245-2800

Website: www.DEXOTEXMARINE.com

Item or Trade Name: Dex-O-Tex Colorflake M Chips #0444-50

Note: Colorflake M Chips are a system component of Dex-O-Tex Colorflake M Deck Covering System, which is listed on QPL 24613. Other components are necessary to install Colorflake M System.

Nature of the product:

Colorflake M Chips are vinyl paint chips packaged in bag within a protective cardboard box. Each chip is approximately 14 mils thick (.014") x 1" in diameter. They are random in shape. They are hand broadcast randomly into epoxy resin at a coverage rate of approximately 20%. This produces a "paint chip" type of deck covering used on ships. The chips are usually white.

Part Number or Specification:

Naval Ships Technical Manual - NSTM Chapter 634 -Deck Coverings

Department of Defense Specification: MIL-PRF-24613 Type I Class 1, 2 and 3.

It is listed in D.O.D. Qualified Products Database under QPL 24613

Packaging:

#0444-50 Colorflake M Chips packaged in a 50 lb. bag within a box.

Minimum Purchase = 1

Labels are on the outside of the box

There is a MSDS's for this item



**DEPARTMENT OF THE NAVY
USS THEODORE ROOSEVELT (CVN 71)
FPO AE 09599-2871**

1210
SUP
15 Jul 14

From: Commanding Officer, USS THEODORE ROOSEVELT (CVN 71)
To: CDR Christian M. Mahler, SC, USN

Subj: AUTHORIZATION TO APPROVE SHIP'S HAZARDOUS MATERIAL
FEEDBACK REPORTS

Ref: (a) OPNAVINST 5100.19E

1. Per reference (a) you are hereby authorized to approve Ships Feedback Reports.
2. Your signature will now denote acceptance of the procurement and use of all non-Ships Hazardous Material Log material.


D. C. GRIECO

Celona, Michael J CIV NAVSUP WSS, M077

From: TomZam@aol.com
Sent: Tuesday, January 20, 2015 8:57
To: Celona, Michael J CIV NAVSUP WSS, M077
Subject: Zambetti - Re: FW: Colorflake M Sealer Resin SFR

Hello Mike,

The Dex-O-Tex Colorflake M System is three parts that are purchased separately.

Chips are in a plastic bag, which is shipped in a protective box. Each chip is irregular in shape, about 1" in diameter and is about the thickness of paper.

Basecoat Resin is an Part A and Part B in cans.

Sealer Resin is Part A and Part B in separate cans.

Each item has a label. The labels for all Dex-O-Tex products are 1 piece.

Best regards,
Tom

CROSSFIELD PRODUCTS CORPORATION

www.crossfieldproducts.com

3000 E. Harcourt St.
Rancho Dominguez, CA 90221 (Headquarters)
(310)-886-9100 (8:00 AM – 5:00 PM Pacific Time)

140 Valley Rd.
Roselle Park, NJ 07204
(908)-245-2800 (8:00 AM – 5:00 PM Eastern Time)

SAFETY DATA SHEET**TRADE NAME (AS LABELED):**

**Colorflake Chips &
Colorflake IMO Chips**

CHEMICAL NAME/CLASS:

Vinyl Chips

PRODUCT USE:

Colored Flooring Systems

SUPPLIER/MANUFACTURER'S NAME:

Crossfield Products Corp.

ADDRESS: (West Coast):

3000 E. Harcourt St.
Rancho Dominguez, CA 90221 (Headquarters)

ADDRESS: (East Coast):

140 Valley Rd.
Roselle Park, NJ 07204

EMERGENCY PHONE:**CHEMTREC:** 800-424-9300**DATE OF PREPARATION:**

June 23, 2010

REVISION DATE:

May 13, 2014

**Signal Word:** (Warning)**Hazard Statements:**

- May cause eye irritation
- May cause mild skin irritation
- H335: May cause respiratory irritation

Precautionary Statements:

- P102: Keep out of reach of children
- P103: Read label before use
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

HMIS-RATINGS (SCALE 0 – 4)

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

Health = 1
Fire = 0
Reactivity = 0

NFPA RATING

EMERGENCY OVERVIEW:

For Routine Industrial Applications

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE: The most significant route of occupational overexposure is contact with skin. The symptoms of overexposure to this product are as follows:**EYE CONTACT:** This substance is not expected to cause prolonged or significant eye irritation.**INHALATION:** Mild bronchial irritation may occur.**CONTACT WITH SKIN:** This substance is not expected to cause prolonged or significant skin irritation.**INGESTION:** Large quantities may cause irritation to the mouth, throat and gastrointestinal track resulting in nausea and vomiting.**HEALTH EFFECTS OR RISKS FROM EXPOSURE:** An Explanation in **Lay Terms**.**ACUTE:** Causes mechanical skin and eye irritation**CHRONIC:** Heavy extended industrial exposure to the dust of this product may produce benign pneumoconiosis, termed "baritosis". Mild bronchial irritation may occur.

CHEMICAL NAME	CAS #	% w/w	EXPOSURE LIMITS IN AIR					
			ACGIH		OSHA		IDLH mg/m ³	OTHER mg/m ³
			TLV mg/m ³	STEL mg/m ³	PEL mg/m ³	STEL mg/m ³		
Barium Sulfate	7727-43-7	60 - 100	TWA 10	NE	15 (Total Dust) 5 (Resp. Dust)	NE	NE	
Polyvinyl Acetate	9003-20-7	10 - 30	NE	NE	NE	NE	NE	
Magnesium Silicate	14807-96-6	2 - 10	NE	NE	NE	NE	NE	NIOSH REL TWA 2 mg/m ³
Titanium Dioxide	13463-67-7	1 - 10	TWA 8 hr 10	NE	TWA 8 hr 15	NE	NE	
Carbon Black (Black Chips Only)	1333-86-4	0.1 - 1	TWA 3.5 mg/m ³	NE	TWA 3.5 mg/m ³	NE	ND	
Water and other ingredients. The other ingredients are each present in less than 1 percent concentration in this product.		Balance	The components present in the balance of this product do not contribute any significant, additional hazards. All hazard information pertinent to this product has been presented in the remaining sections of this Material Safety Data Sheet, per the requirements of Federal Occupational Safety and Health Hazard Communication Standard (29 CFR 1910.1200).					

NE = Not Established. C = Ceiling Limit. See Section 16 for Definitions of Terms Used.

NOTE: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-1993 format.

SKIN EXPOSURE: Wash skin with cool water and pH-neutral soap or a mild detergent intended for use on skin.

EYE EXPOSURE: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

INHALATION: Move to an area free from further exposure. Get medical attention if coughing and other symptoms do not subside. Inhalation of gross amounts requires immediate medical attention.

INGESTION: If swallowed, do not induce vomiting. Wash mouth out with water. Do not give anything by mouth to an unconscious person. If conscious, drink plenty of water and get medical attention.

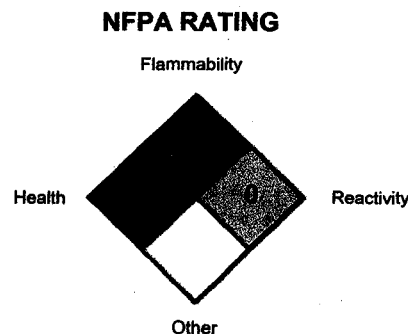
FLASH POINT, °C (method): NA
AUTOIGNITION TEMPERATURE, °C: ND
FLAMMABLE LIMITS (in air by volume, %):

FIRE EXTINGUISHING MATERIALS:

Water Spray: YES
Foam: YES
Halon: ND

Lower (LEL): NE
Upper (UEL): NE

Carbon Dioxide: YES
Dry Chemical: YES
Other: Any "ABC" Class.



UNUSUAL FIRE AND EXPLOSION HAZARDS: Run-off from fire control may cause pollution. Keep fire-exposed containers cool with water spray to prevent rupture due to excessive heat. High pressure water hose may spread product from broken containers increasing contamination. If involved in a fire, this product may decompose to produce a variety of compounds (i.e. carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides and compounds). Emergency responders must wear the proper personal protective equipment suitable for the situation to which they are responding. Products of combustion are irritating to the respiratory tract and may cause breathing difficulty. Symptoms may be delayed several hours or longer depending upon the extent of exposure.

Explosion Sensitivity to Mechanical Impact: Not sensitive.

Explosion Sensitivity to Static Discharge: Not sensitive.

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural fire fighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move fire-exposed containers, if it can be done without risk to firefighters. If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas. If necessary, discard or decontaminate fire response equipment before returning such equipment to service.

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

The proper personal protective equipment for incidental releases (e.g. -1 L of the product released in a well-ventilated area) use impermeable gloves, specific for the material handled, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard-hat. Self Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, Select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations. Absorb spilled liquid with polypads or other suitable absorbent materials. Neutralize residue with sodium bicarbonate and water rinse. Decontaminate the area thoroughly. Test area with litmus paper to confirm neutralization. Place all spill residue in a suitable container. Dispose of in accordance with Federal, State, and local hazardous waste disposal regulations (see Section 13, Disposal Considerations).

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash hands after handling this product. Do not eat or drink while handling this material. Remove contaminated clothing immediately. Discard contaminated clothing items, or launder before re-use. Inform anyone handling such contaminated laundry of the hazards associated with this product. Use ventilation and other engineering controls to minimize potential exposure to this product.

STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to handle it safely. Avoid breathing mists or sprays generated by this product. Use in a well-ventilated location.

For Non-Bulk Containers: Open containers slowly, on a stable surface. Containers of this product must be properly labeled. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers, or in a diked area, as appropriate. Store containers away from incompatible chemicals. Keep container tightly closed when not in use. Wash thoroughly after using this material. Storage areas should be made of fire-resistant materials. If appropriate, post warning signs in storage and use areas. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid, therefore, empty containers should be handled with care.

Bulk Containers: All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel.

Tank Car Shipments: Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment.). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times. Tank cars must be level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tank (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be clean and free of incompatible chemicals, prior to connection to the tank car or vessel. Valves and hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Decontaminate equipment before maintenance begins by a triple-rinse with water followed, if necessary, by using sodium bicarbonate and an additional rinse. Collect all rinsates and dispose of according to applicable Federal, State, or local procedures.

EXPOSURE CONTROL/PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: If required use a corrosion-resistant ventilation system separate from other exhaust ventilation systems to ensure that there is no potential for overexposure to sprays, mists or dust of this product and that exposures are below those in section 2 (Composition and Information on Ingredients). Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below exposure limits listed in Section 2 (Composition and Information on Ingredients). If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, or applicable State regulations. If adequate ventilation is not available or if there is potential for airborne exposure above the exposure limits (listed in Section 2) a respirator may be worn up to respirator exposure limitations, check with respirator equipment manufactures recommendations/limitations. For a higher level of protection use positive pressure supplied air respiration protection or Self Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS:

Positive pressure, full-facepiece Self Contained Breathing Apparatus; or positive pressure, full-facepiece Self Contained Breathing Apparatus with an auxiliary positive pressure Self Contained Breathing Apparatus.

EYE PROTECTION: Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

HAND PROTECTION: Wear appropriate gloves for routine industrial use. Use appropriate gloves for spill response, as stated in Section 6 of this MSDS (Accidental Release Measures).

BODY PROTECTION: Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from natural rubber are generally acceptable, depending upon the task.



Safety Glasses

Safety Gloves

Synthetic Apron

PHYSICAL AND CHEMICAL PROPERTIES

RELATIVE VAPOR DENSITY (air = 1): ND

SPECIFIC GRAVITY (water = 1): 3.6

SOLUBILITY IN WATER: Not soluble.

VAPOR PRESSURE, mm Hg @ 21 °C: 2.0

ODOR: No distinct odor

LOG WATER/OIL DISTRIBUTION COEFFICIENT: Not available.

EVAPORATION RATE (n-BuAc=1): ND

MELTING/FREEZING POINT: ND.

BOILING POINT: NA

pH: Not Established (Alkaline)

APPEARANCE AND COLOR: This product consists of flat chips of various colors and sizes

HOW TO DETECT THIS SUBSTANCE (warning properties): ND

TOXICITY/HAZARD/REACTIVITY

STABILITY: Stable.

DECOMPOSITION PRODUCTS: Thermal decomposition products of this solution can include a variety of compounds. (i.e. Carbon Dioxide, Carbon Monoxide and other compounds).

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Product is stable but will react violently with sulfuric acid or alkali materials such as sodium hydroxide.

HAZARDOUS POLYMERIZATION: Will not occur by itself.

CONDITIONS TO AVOID: Avoid exposure or contact to extreme temperatures and incompatible chemicals.

TOXICITY DATA: Additional toxicology information for components greater than 1 percent in concentration is provided below.

No Data

SUSPECTED CANCER AGENT: The major components of this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, CAL/OSHA in concentrations > 0.1 %; and are therefore not considered to be, nor suspected to be, cancer-causing agents by these agencies.

IRRITANCY OF PRODUCT: This product is irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: Prolonged or repeated skin contact can result in the development of rashes, and other allergy-like symptoms.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: This product is not reported to produce mutagenic effects in humans.

Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.

Teratogenicity: This product is not reported to cause teratogenic effects in humans.

Reproductive Toxicity: This product is not reported to cause reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

BIOLOGICAL EXPOSURE INDICES: Currently there are no Biological Exposure Indices (BEIs) associated with the components of this product.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Skin disorders can be aggravated by over-exposure to this product. Inhalation of this products dust may aggravate respiratory conditions.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate over-exposure to this product.

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION – No Data

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. Not a RCRA hazardous waste. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by you local hazardous waste regulatory authority.

Department of Transportation:

Not Regulated

Reportable Quantity (RQ): None

IMDG Shipping Data:

Not Regulated

IATA Shipping Data:

Not Regulated

TDG

Not Regulated

OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

United States Federal Regulations

OSHA Hazcom Standard Rating:

US EPA CERCLA Hazardous Substances (40 CFR 302): Components - None

US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): Components - None

US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65): Components - None

TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

OTHER FEDERAL REGULATIONS: None

State Regulatory Information: Components of this product are covered under specific State regulations, as denoted below:

New Jersey Right-to-know: The following is required composition information:

CAS No,	1333-86-4	13463-67-7
RTK No.	(342)	(1861)
Common Name:	Carbon Black	Titanium Dioxide

Pennsylvania Right-to-know: The following is required composition information:

CAS No,	1333-86-4	13463-67-7
Common Name:	Carbon Black	Titanium Dioxide

CALIFORNIA PROPOSITION 65: Not Listed

WHMIS:

Not Listed

PREPARED BY:

BILL BEACH

CROSSFIELD PRODUCTS CORP.

THIS INFORMATION IS DRAWN FROM RECOGNIZED SOURCES BELIEVED TO BE RELIABLE. CROSSFIELD PRODUCTS CORP. MAKES NO GUARANTEES NOR ASSUMES ANY LIABILITY IN CONNECTION WITH THIS INFORMATION. THE USER SHOULD BE AWARE OF CHANGING TECHNOLOGY, RESEARCH, REGULATIONS AND ANALYTICAL PROCEDURES THAT MAY REQUIRE CHANGES HEREIN. THE ABOVE DATA IS SUPPLIED UPON THE CONDITION THAT PERSONS WILL EVALUATE THIS INFORMATION AND THEN DETERMINE ITS SUITABILITY FOR THEIR USE.

DEFINITIONS OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these which are commonly used include the following:

CAS #: This is the Chemical Abstract Service Number which uniquely identifies each constituent. It is used for computer-related searching.

EXPOSURE LIMITS IN AIR:

ACGIH - American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits.

TLV - Threshold Limit Value - an airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour **Time Weighted Average (TWA)**, the 15-minute **Short Term Exposure Limit**, and the instantaneous **Ceiling Level**. Skin adsorption effects must also be considered.

OSHA - U.S. Occupational Safety and Health Administration.

PEL - Permissible Exposure Limit - This exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1993 Air Contaminants Rule (Federal Register: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase, "Vacated 1989 PEL," is placed next to the PEL which was vacated by Court Order.

IDLH - Immediately Dangerous to Life and Health - This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. The **DFG - MAK** is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. **NIOSH** is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (**OSHA**). NIOSH issues exposure guidelines called **Recommended Exposure Levels (RELs)**. When no exposure guidelines are established, an entry of **NE** is made for reference.

HMIS HAZARD RATINGS:

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: Health Hazard:

0 (minimal acute or chronic exposure hazard); 1 (slight acute or chronic exposure hazard); 2 (moderate acute or significant chronic exposure hazard); 3 (severe acute exposure hazard; onetime over-exposure can result in permanent injury and may be fatal); 4 (extreme acute exposure hazard; onetime over-exposure can be fatal). Flammability Hazard: 0 (minimal hazard); 1 (materials that require substantial pre-heating before burning); 2 (combustible liquid or solids; liquids with a flash point of 38-93°C [100-200°F]); 3 (Class IB and IC flammable liquids with flash points below 38°C [100°F]); 4 (Class IA flammable liquids with flash points below 23°C [73°F] and boiling points below 38°C [100°F]). Reactivity Hazard: 0 (normally stable); 1 (material that can become unstable at elevated temperatures or which can react slightly with water); 2 (materials that are unstable but do not detonate or which can react violently with water); 3 (materials that can detonate when initiated or which can react explosively with water); 4 (materials that can detonate at normal temperatures or pressures).

NATIONAL FIRE PROTECTION ASSOCIATION: Health Hazard: 0

(material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); 1 (materials that on exposure under fire conditions could cause irritation or minor residual injury); 2 (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); 3 (materials that can on short exposure could cause serious temporary or residual injury); 4 (materials that under very short exposure could cause death or major residual injury). Flammability Hazard and Reactivity Hazard: Refer to definitions for "Hazardous Materials Identification System".

FLAMMABILITY LIMITS IN AIR:

Much of the information related to fire and explosion is derived from the National Fire Protection Association (**NFPA**). Flash Point - Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. Autoignition Temperature: The minimum temperature required to initiate combustion in air with no other source of ignition. LEL - the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL - the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

TOXICOLOGICAL INFORMATION:

Possible health hazards as derived from human data, animal studies, or from the results of studies with similar compounds are presented. Definitions of some terms used in this section are: **LD₅₀** - Lethal Dose (solids & liquids) which kills 50% of the exposed animals; **LC₅₀** - Lethal Concentration (gases) which kills 50% of the exposed animals; **ppm** - concentration expressed in parts of material per million parts of air or water; **mg/m³** - concentration expressed in weight of substance per volume of air; **mg/kg** - quantity of material, by weight, administered to a test subject, based on their body weight in kg. Data from several sources are used to evaluate the cancer-causing potential of the material. The sources are: **IARC** - the International Agency for Research on Cancer; **NTP** - the National Toxicology Program, **RTECS** - the Registry of Toxic Effects of Chemical Substances, **OSHA** and **CAL/OSHA**. **IARC** and **NTP** rate chemicals on a scale of decreasing potential to cause human cancer with rankings from 1 to 4. Subrankings (2A, 2B, etc.) are also used. Other measures of toxicity include **TDLo**, the lowest dose to cause a symptom and **TCLo** the lowest concentration to cause a symptom; **TD₀₁**, **LDLo**, and **LD₀₁**, or **TC**, **TC₀₁**, **LCLo**, and **LCo**, the lowest dose (or concentration) to cause death. **BEI** - Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV.

REGULATORY INFORMATION:

This section explains the impact of various laws and regulations on the material. **EPA** is the U.S. Environmental Protection Agency. **WHMIS** is the Canadian Workplace Hazardous Materials Information System. **DOT** and **TC** are the U.S. Department of Transportation and the Transport Canada, respectively. Other acronyms used are: Superfund Amendments and Reauthorization Act (SARA); the Toxic Substance Control Act (TSCA); Marine Pollutant status according to the DOT; California's Safe Drinking Water Act (Proposition 65); the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund); and various state regulations. This section also includes information on the precautionary warnings which appear on the materials package label.



0444-60-XX

Mfg. Date: 1/2015

Lot# TEST2

NON-HAZARDOUS SOLID

DEX-O-TEX®

COLORFLAKE 1"

50 LBS.

Chip Color: UNKNOWN

FOR PROFESSIONAL USE ONLY

Dex-O-Tex Product Line – Crossfield Products Corp.

West Coast

3000 E. Harcourt Street
Rancho Dominguez, CA 90221
Tel: 310.886.9100
Fax: 310.886.9119

East Coast

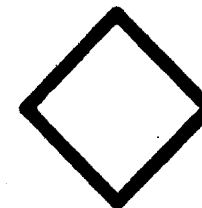
140 Valley Road
Roselle Park, NJ 07204
Tel: 908.245.2800
Fax: 908.245.0659



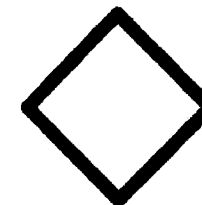
BARIUM SULFATE PROPRIETARY RESIN	CAS# 7787-43-7 N/A
VOC: 0 grams/liter	

FIRST AID IN CASE OF CONTACT
EYES – Immediately flush eyes with plenty of water at least 15 minutes. Call a physician.
SKIN – Flush skin with plenty of water.
KEEP OUT OF REACH OF CHILDREN

**THOROUGHLY READ
INSTRUCTIONS AND SDS SHEET
BEFORE OPENING**



WARNING



Do not breathe dust /fume /gas /mist /vapors /spray.

Wear protective gloves /protective clothing /eye protection /face protection.



Dispose of contents and container in accordance with all local, regional, national and international regulations.

Respiratory tract irritation
May be harmful if inhaled.
May cause respiratory irritation.
Causes serious eye irritation.
May be harmful if swallowed.

STIR BEFORE USE -- SHELF LIFE 12 MONTHS

KEEP FROM FREEZING PERISHABLE IF FROZEN



Specification Reference

MIL-PRF-24613, Type I, Class 2

Dex-O-Tex Colorflake M

Marine Decking Product Description Sheet

TYPE

Dex-O-Tex Colorflake M is an epoxy resin composition deck covering which is applied to a thickness of 1/16 inch (1.59mm). Colorflake M provides a decorative, lightweight easily cleaned surface for crew quarters, mess decks, passageways, toilet spaces and galleys.

Dex-O-Tex Colorflake M is fluid-applied to form a jointless surface offering substantial protection against corrosion of metal decking. Colorflake M is available in a wide range of attractive background colors into which are incorporated in decorative pigment chips sealed in a clear epoxy matrix. Dex-O-Tex Colorflake M can be rapidly applied and can be easily installed by experienced deck covering craftsmen on underlayment or steel. A Dex-O-Tex Colorflake M application is quick, clean and neat.

SPECIFICATION REFERENCE

U.S. Dept.
of Defense MIL-PRF-24613
Type I, Class 2

THICKNESS

1/16 inch (1.6 mm)

TECHNICAL DATA

All values shown for application over underlayment meet MIL-PRF-3135H Type I, Class 2 and MIL-PRF-3135H, Type II, Class 2.

Weight 0.3 lbs/ft² @ 1/16 inch
(with underlayment) (2.93 kg/m² @ 1.59 mm)

Fire Rating U.S. Navy Fire Retardant
(MIL-STD-1623E, SHIPS)

Corrosive Effect, Steel None

Corrosive Effect, Aluminum None

TYPICAL USES

- Passageways
- Staterooms & cabins
- Offices
- Laboratories
- Dressing stations
- Pharmacies
- X-Ray areas
- Crew living spaces
- Laundry
- Tailor & barber shops

ADVANTAGES

- Fast curing for short installation times
- Durable in sanitary, wet spaces
- Attractive color range
- Easily maintained
- Fire retardant
- Slip resistant
- Not flammable or toxic in wet state



LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICES ARE MET.

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Crossfield's examination shall disclose to Crossfield's satisfaction to be thus defective.

In no event shall Crossfield Products Corp. be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties expressed or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Crossfield's part, and we neither assume nor authorize any person or persons to assume for us any other liability in connection with sale of a Crossfield Products. This warranty shall not apply to any of Crossfield's products, which have been subject to adulteration, alteration abuse or misuse. Crossfield Products Corp. makes no warranty whatsoever in respect to accessories, parts or material not supplied by Crossfield Products Corp., which are used in connection with its products. The term "Original Purchaser" in this warranty means that person, corporation or entity to whom Crossfield Products Corp. sold its products. Any action to enforce any warranty or for breach of contract or arising out of any claim against Crossfield Products Corp. shall be commenced and maintained only in a court of competent jurisdiction in the continental United States of America. The purchaser accepts these terms and conditions and hereby expressly waives any claim to additional damages.

CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



Dex-O-Tex Marine Product Line
Crossfield Products Corp.
www.dexotexmarine.com



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3000 E. Harcourt St.
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Telephone • 310.886.9100
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East Coast Office
140 Valley Road
Roselle Park, NJ 07204
Telephone • 908.245.2800
Fax • 908.245.0659



Application Specification

COLORFLAKE M

Purpose and Scope

To outline instructions for application of Dex-O-Tex Colorflake M, a terrazzo-like interior deck covering that does not require grinding. This product is manufactured to meet the requirements of MIL-PRF-24613(SH), Type I, Class 2 Deck Covering Materials, Interior, and Cosmetic Polymeric.

Thickness 1/16" to 3/32"
(1.59 mm to 2.39 mm)

Approximate Quantity of Materials Required

To Cover ONE HUNDRED SQ. FT (9.3 sq. Meters)

<u>Amount Required</u>	<u>THICKNESS</u> 1/16" (1.59mm)
VLW Type III Underlayment	as required, see "Surface Preparation" below
Colorflake M Basecoat, (A & B Components)	2.00 units
Colorflake M Chips (50-lb. bag)	0.16 bag
Colorflake "M" Sealer Resin (A & B Components)	1.00 unit

Required Equipment

1/4" or 3/8" Drill
Jiffy Blade
Masking Tape
Foxtail Brush
Industrial Vacuum
1/16" Notched Trowel
Shoes with golf spikes
Approved solvent for cleaning tools
Protective gloves and hand cream
Rubber-Edged Squeegees (White or Red)
Dex-O-Tex Trowel 3" x 12" (8 cm x 30 cm)
Medium/Heavy Nap Mohair Rollers, Sleeves and
Handles
Wallpaper smoothing brushes (natural bristle-not
nylon)
Sandpaper No. 80 or No. 100 grit

Surface Preparation

Metal deck surfaces should be cleaned free of rust, loose scale, and dirt in accordance with SSPC SP-11/NACE No 6. Grease and oil should be removed with approved solvents and clean rags in accordance with SSPC SP-1. The resulting surface should be clean and bright and protected against corrosion before Dex-O-Tex materials are applied. Dex-O-Tex Colorflake M may be applied to a cured Navy Formula 150 Primer, MIL-DTL-24441, MIL-PRF-23636 or to Dex-O-Tex Terrazzo M Underlayment installed in accordance with Dex-O-Tex Application Specification S-108M (Marine). Consult Crossfield Products Corp. when wood or other deck surfaces are involved.

MATERIAL TEMPERATURE:

The temperature of the materials should be between 65° to 85°F (18°C to 29°C) for best mixing and application properties

APPLICATION TEMPERATURE

Deck surface and room temperature of 65°F to 75°F (18°C to 24°C) should be maintained for at least 24 hours for proper curing after installation.

Packaging

Colorflake M Basecoat.
(A & B Components packed in cartons)
Colorflake Chips (packaged in 50-lb. bags)
Colorflake M Sealer Resin, (A & B Components
packed in cartons)

NOTE: Where Dex-O-Tex VLW Type III Underlayment or Terrazzo M Underlayment is installed to "fair" a deck, it will be necessary to apply a coat of Terrazzo M Grout Resin to the (overnight cured) Underlayment surface before proceeding with application of Colorflake M Basecoat. Terrazzo M Grout Coat should cure at least eight to twelve (8-12) hours at 65°F-75°F (18°C-24°C) before application of Colorflake M Basecoat.



Application Specification

COLORFLAKE M

OPTION:

It is permissible to apply a "first" or "primer" coat of Colorflake M Basecoat to the cured Terrazzo M Underlayment in lieu of the Terrazzo M coat.

APPLICATION PROCEDURE

STEP ONE – Basecoat

The Colorflake M Basecoat A & B Components are supplied as a unit in two separate containers. After the surface to be covered has been properly prepared, pour the contents of the can containing Colorflake M Basecoat, Component B into the can containing Component A. Blend thoroughly with a Jiffy blade, paint mixer or other mechanical means for two (2) minutes. Colorflake M has a pot life of approximately 30 minutes at an ambient temperature of 70°F to 75°F (21°C to 24°C). The working time of the material will be lengthened if it is either poured out of the mixing pail onto the surface and then worked from there, or else poured into a wide receptacle (such as a paint roller tray) and then worked from that.

Spread the blended Basecoat materials evenly over the surface using a 3" x 12" x 1/16" "V" notched trowel. This material will semi-self level in a couple of minutes. Allow to cure overnight or at least twelve (12) hours at 65°F-75°F (18°C-24°C) before starting Chipping Application.

A unit of Colorflake M Basecoat should cover approximately 50 sq. ft. (9.3 m²), on steel decking.

For vertical surfaces, apply a thin coat of Basecoat by brush, using masking tape to establish straight line at top of base.

STEP TWO – Colorflake M Chips

After the Colorflake M Basecoat has cured for at least twelve (12) hours, mix and apply one (1) coat of Colorflake "M" Sealer (A & B Components) as follows;

Pour Colorflake "M" Sealer Component B into Component A and blend thoroughly with a Jiffy

blade, taking care not to stir air into the mix (do not lift the Jiffy blade out of the combined materials while blending). Pour blended Colorflake "M" Sealer into a large paint pan (to lengthen pot life and allow entrained air to escape). Spread the blended materials over the cured Colorflake "M" Basecoat using a medium nap Mohair roller, evenly spreading the coating.

As the Sealer coat levels, broadcast the Colorflake chips into the wet material. As an area is "chipped", it should be "back-rolled" with Colorflake "M" Sealer to flatten and "encapsulate" the chips. One unit of Colorflake M Sealer should cover approximately 150-175 sq. ft.

For vertical surfaces chips are cast against the wet Colorflake "M" Sealer coat and immediately "back-rolled" to flatten and "encapsulate" chips.

Care must be taken to uniformly broadcast the Colorflake chips into the Sealer while it is still wet. Shoes with **golf spikes MUST** be used to walk on the Sealer during this operation. **DO NOT WALK ON AREAS** once they have been covered with Colorflake chips.

One bag (50 lbs.) of Colorflake chips will be sufficient to "chip" approximately 800 sq. ft. at 40%-60% coverage.

STEP THREE – Sealer Finish Coat

The Sealer Finish is applied in one (1) coat. Pour Colorflake "M" Sealer Component B into Component A and blend thoroughly. Apply the Finish coat liberally with a medium nap mohair roller to prevent puddling. This coat should be spread at a rate of approximately 300-350 sq. ft. per one gallon unit. Colorflake M is intended to have a slightly textured surface.

The Finish coat should be allowed to cure for at least twelve (12) hours at 65°F to 75°F (18°C to 24°C) before bearing light foot traffic. An additional twenty-four (24) hours is required before full service is restored.



Application Specification

COLORFLAKE M

NOTE:

Additional Sealer coats may be required or desired for special service conditions. Allow twelve (12) hours drying time between coats. Be sure additional Sealer materials are on hand before proceeding.

CAUTIONS:

1. For proper workability it is important the Dex-O-Tex materials be stored and mixed at a temperature of 65°F-80°F.
2. The substrate temperature should be between 65°F-80°F. A warm substrate will decrease the pot life and make the materials sticky. A cooler substrate will retard the cure and may cause a blush of the polymeric resins. Deck surface and room temperature of 65°F or slightly higher must be maintained for proper curing.
3. When mixing the polymeric resin components, be sure to use all of the provided resins. The resins are pre-measured to the correct ratios. Scrape all of the hardener from the container into the resin.
4. Do not turn mixing vessels upside down to drain on the flooring surface. Unmixed resin from the side may produce soft or uncured spots on the flooring surface.
5. Keep the unfinished flooring surface clean. Do not track dirt, grease, or any other contaminate onto the unfinished flooring surface. Any contaminate could effect the aesthetics of the finished flooring.
6. Good ventilation must be provided during application, particularly in confined spaces.
7. Always obtain, read and observe Manufacturers Safety Data Sheets (MSDS) before handling polymeric materials. Become familiar with the products on paper before you open the cans.

General Conditions for Safe Handling of Polymeric Resinous Flooring Systems

1. Read and observe precautionary statements on product labels.
2. Keep containers tightly closed.
3. Keep out of reach of children.
4. For industrial use only. Do not allow application by untrained workers.
5. Remove contaminated clothing and shoes. Wash clothing before re-use.
6. Use of safety goggles and chemical resistant gloves is recommended. Wear only full length trousers and long-sleeve shirts. Apply protective creams to exposed skin areas.
7. In general, prolonged contact of polymeric resins with skin may cause irritation. Contact with curing agents

may cause skin burns. Products may cause skin sensitization or other allergic responses. Avoid all contact with eyes.

8. In case of contact with skin, immediately remove the material with soap and water. Upon completion of work at lunchtime or end of day, carefully check all skin surfaces for any traces of polymeric resins. Wash with soap and water. If wash facilities are not located nearby, establish water washing station at work site. **DO NOT** use solvents to remove polymeric resins from skin as solvents will drive polymeric resins deeper into skin. If redness or skin rash develop, consult a physician.
9. In the event of eye contact, flush immediately with plenty of water for at least 15 minutes. Consult a physician immediately.
10. Mix and apply polymeric resin materials only in conditions of good ventilation. Avoid breathing vapors. A fan to circulate fresh air may be needed. Certain polymeric resin products and/or certain working conditions require use of NIOSH/MSA organic vapor respirator. Consult MSDS.
11. **First Aid for Inhalation:**
If effects occur, remove patient to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get immediate medical attention.



DOT MARINE PRODUCT LINE **Crossfield Products Corp.**

West Coast Office
3000 E. Harcourt Street
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90221
310-886-9100
310-886-9119 fax

East Coast Office
140 Valley Road
Roselle Park, NJ
07204
908-245-2800
908-245-0659 fax

www.dexotexmarine.com

Celona, Michael J CIV NAVSUP WSS, M077

From: Hegarty, Emily W. LTJG <Emily.Hegarty@cvn71.navy.mil>
Sent: Friday, January 16, 2015 21:49
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Mahler, Christian M. CDR (SUPPO); Hill, Joshua R. LCDR
Subject: SFR for Colorflake M Chips
Attachments: dot%20logo.jpg; Colorflake M System Tech. Data Sheet.pdf; Colorflake M System Tech. Installation Instruction.pdf; LABEL #0444-50Colorflake M Chips.pdf; MFGR's DATA Dex-O-Tex Colorflake M Chips.docx; MSDS #0444-50 Colorflake M and Elastaflake Chips.pdf; Price List Colorflake M Chips #0444-50.pdf; colorflake chip SFR.pdf; SFR authorization.pdf
Signed By: emily.hegarty@navy.mil

Mike,

Please find the SFR for the Dex-o-Tex Colorflake Chip attached. Please let me know if you need any additional information.

RECEIVED
JAN 16 2015
BY: SFR 5220

V/r,
Emily

E. W. Hegarty
LTJG, SC, USN
HAZMAT Officer
USS THEODORE ROOSEVELT (CVN 71)
J-DIAL: 5024/6350
757-443-7464

-----Original Message-----

From: TomZam@aol.com [mailto:TomZam@aol.com]
Sent: Monday, January 12, 2015 4:15 PM
To: Hegarty, Emily W. LTJG
Subject: Zambetti - Mfgr's. Data for SFR for Colorflake M Chips

E. W. Hegarty
LTJG, SC, USN
HAZMAT Officer
USS THEODORE ROOSEVELT (CVN 71)

Dear Ms. Hegarty,

Data attached is for SFR for Dex-O-Tex Colorflake M Chips

Best regards,
ZAMBETTI ASSOCIATES, INC.
Tom Zambetti

DEX-O-TEX MARINE Representative

Phone: (610) 647-9792

Fax: (610) 647-9793

Mobile:(215) 260-9266

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 20, 2015 8:54
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: USS THEODORE ROOSEVELT; Hegarty, Emily E. LTJG (Emily.Hegarty@cvn71.navy.mil); Mahler, Christian M. CDR (SUPPO); Hill, Joshua R. LCDR; Richardson, David W CTR CNAP, N412; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; TomZam@aol.com
Subject: USS THEODORE ROOSEVELT: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5220
Signed By: mike.celona@navy.mil

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Naval Surface Warfare Center, Carderock Division-Ships Systems Engineering Station (NSWCCD-SSES), Code 6350

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: Adriana Gil-Matos

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5220) DEX-O-TEX COLORFLAKE M CHIPS, (Part# 0444-50), NSN: None
(d) POC for the USS Theodore Roosevelt (CVN-71): LTJG Emily W. Hegarty
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

Ref (b) has forwarded your SFR to ref (e) for further review and analysis. Upon ref (e) recommendation, NSWCCD TA will issue an authorization decision. At that time, ref (b) will advise all POC's of the final analysis (approval/disapproval) of ref (e) review. When the results of this analysis is complete, the SHML/T-SHML will be modified by ref (b) to reflect the appropriate information on its next update.

2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.



DEPARTMENT OF THE NAVY

NAVSUP WEAPON SYSTEMS SUPPORT

700 ROBBINS AVENUE
PHILADELPHIA PA 19111-5098

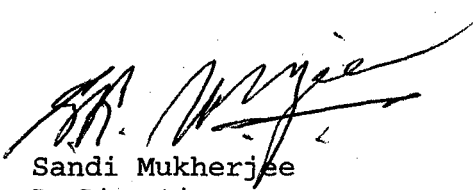
5450 CARLISLE PIKE - PO BOX 2020
MECHANICSBURG PA 17055-0788

COM & FTS 717-605-8319
DSN & EXT 430-8319
FAX # 717-605-3480
IN REPLY REFER TO:
4030
Ser N242/011
20 January 2015

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code M0772
To: Commanding Officer, Naval Surface Warfare Center, Carderock
Division-Ship Systems Engineering Station (NSWCCD-SSS),
Code 635
Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIAL LIST (SHML) FEEDBACK
REPORT (SFR)

Encl: (1) SHML SFR (SFR# 5220)

1. Enclosure (1) contains a packet of one (1) SFR (SFR# 5220) for your review/recommendation.
2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code 0772.23, DSN 430-8319 for (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.


Sandi Mukherjee
By Direction

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Friday, January 30, 2015 8:07
To: 'USS THEODORE ROOSEVELT'; 'Hegarty, Emily E. LTJG (Emily.Hegarty@cvn71.navy.mil)'; 'Mahler, Christian M. CDR (SUPPO)'; 'Hill, Joshua R. LCDR'
Cc: Richardson, David W CTR CNAP, N412; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; 'TomZam@aol.com'; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: USS THEODORE ROOSEVELT: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5221 (FINAL ANSWER)
Signed By: mike.celona@navy.mil

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commander, USS Theodore Roosevelt (CVN-71)

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: LTJG Emily W. Hegarty

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5221) DEX-O-TEX COLORFLAKE M SEALER, (Part# 1261/1262), NSN: None
(d) POC for the USS Theodore Roosevelt (CVN-71): LTJG Emily W. Hegarty
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

2. Concerning ref (c) SFR# 5221 per ref (e):

Mike,

USS Theodore Roosevelt (CVN 71)

SFR #5221: The SFR requested material (NSN: None; Part #1261 & 1262; Colorflake M Sealer) is not specifically called out by the referenced technical manual (NSTM Chapter 634). Therefore, the requested material is not authorized at this time and should remain unlisted on the SHML. For more information and further assistance, Ship's Force should contact NSWCCD Code 614 (POC: Deborah Merlino).

V/R,

Tim Kurylo

NSWCCD Code 635

Head, Solid Waste & HAZMAT ISE Branch

5001 S Broad St, Philadelphia, PA 19112

o: 215-897-7181

c: 215-840-6384

timothy.kurylo@navy.mil

Therefore, ref (c) SFR product IS NOT APPROVED for use and will not be added to the SHML.

3. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Sent: Thursday, January 29, 2015 11:06
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: RE: SFR 5221 FOR YOUR REVIEW
Signed By: timothy.kurylo@navy.mil

Mike,

See below for response to SFR 5221:

USS Theodore Roosevelt (CVN 71)

SFR #5221: The SFR requested material (~~NSN: None; Part #1261 & 1262; Colorflake M Sealer~~) is not specifically called out by the referenced technical manual (NSTM Chapter 634). Therefore, the requested material is not authorized at this time and should remain unlisted on the SHML. For more information and further assistance, Ship's Force should contact NSWCCD Code 614 (POC: Deborah Merlino).

- Reg. Do not add!

V/R,

Tim Kurylo

NSWCCD Code 635

Head, Solid Waste & HAZMAT ISE Branch

5001 S Broad St, Philadelphia, PA 19112

o: 215-897-7181

c: 215-840-6384

timothy.kurylo@navy.mil

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077

Sent: Tuesday, January 20, 2015 11:30 AM

To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350

Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350

Subject: SFR 5221 FOR YOUR REVIEW

ORIGINATOR: NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319 FAX: 717-605-3480, DSN: 430-3480			
REC'D AT NAVSUP WSS: 1/20/2015 FPO#: AE09599 - 2871 UIC#: 21247 TYCOM: SURFLANT			
TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5221 ATTACHED FROM (SHIP): USS THEODORE ROOSEVELT (CVN-71) PRODUCT NAME: DEX-O-TEX COLORFLAKE M SEALER DATE ON SFR: 1/16/2015
NAVSUP WSS	1/20/2015	MC	NSN/NIIN: - - - CAGE: 88167
NSWCCD			PART NUMBER/DRAWING/SPECIFICATION: 1261/1262
ISEA			SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; O=Obsolete; N=Not Determined) NIS
			MSDS NUMBER: (NIH=Not In HMIRS) NIH
			MIP: NONE
			MRC: NONE
LCM/ISEA			MIP/MRC: NONE
			APL: NONE
			AEL: NONE
NAVSUP WSS			APL/AEL: NONE
			TECHNICAL MANUAL: 89086-VG-STM-010, CH. 634, REV 4
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: NONE			NOTES: C/B1/H 6.5 GALLON KIT CONSISTING OF: 1261 COLORFLAKE M SEALER, PART A, T/V7/H, 4 LB 1261 COLORFLAKE M SEALER, PART B, C/B1/H, 2.5 LB (b)(4) NOT FOUND IN NAVY SUPPLY SYSTEM. **** THIS IS A ONE TIME BUY ****

RECEIVED
JAN 20 2015
BY: SFR 5221

Current Date: 1/16/2015

SHIP'S HAZARDOUS MATERIALS LIST (SHML)
FEEDBACK REPORT (SFR)

This form needs to be completed if the Hazardous Material
that you want to purchase is not authorized on your T-SHML

NIS
NIT
NIH
NOT IN USE

SHIP NAME: THEODORE ROOSE

HULL NUMBER: CVN 71

TYCOM: COMNAVAIRLANT

UIC: 21247

Serial Number: 150160720

AIRCRAFT RELATED: ☐ Yes ☒ No

I. JUSTIFICATION

(To include equipment/application this material is to be used on):

MATERIAL TO BE TO USED TO REFINISH INTERIOR METAL DECKS LEFT UNTREATED AFTER SHIPYARD PERIOD.

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable):

N/A

II. TECHNICAL DATA

MAINTENANCE INDEX PAGE (MIP) #: N/A

MAINTENANCE REQUIREMENT CARD (MRC) #: N/A

APL OR AEL: N/A

TECH MANUAL: 89086-VG-STM-010 CH. 634

REV: 4

ESTIMATED YEARLY REQUIREMENT: 1.00 ONE TIME USE

III. MANUFACTURER DATA

(If requested NSN is provided proceed to section IV)

NSN: 0000-00-000-0000

MANUFACTURER: CROSSFIELD

PHONE: 908-245-2800 CAGE: 88167

ITEM OR TRADE NAME: COLORFLAKE M SEALER KIT (PART A+B)

PART NUMBER OR SPECIFICATION: 1261/1262

UNIT OF ISSUE: KT

UNIT OF MEASURE: 1 GAL CN (part A), 1/2 gal CN (part B)

IV. ENDORSEMENTS

REQUESTORS NAME: EMILY W HEGARTY

PART A = T-V7-H

PART B = C-B1-H

RANK: LTJG

EMAIL: emily.hegarty@cvn71.navy.mil

DATE PREPARED: 1/16/2015

COMMANDER OR DESIGNEE NAME: CHRISTIAN MAHLER

RANK: CDR

EMAIL: suppo@cvn71.navy.mil

DATE: 1/16/2015

SIGNATURE: C.M. 10

CO's signature denotes acceptance of all liabilities associated with
the procurement and use of this non - SHML hazardous material

Electronic submission of SHML Feedback Report/s constitutes CO's approval

Mail to:

Commanding Officer, Naval Inventory Control Point

P.O. Box 2020, Code M0772.22

5450 Carlisle Pike, Mechanicsburg PA 17055-0788

Fax: DSN 430-3480 or COM 717-605-3480

Email: wraps.prime.fct@navy.mil

• 1261 COLORFLAKE M SEALER
PART A (4 LBS) (b)(4)
T-V7-H

• 1262 COLORFLAKE M SEALER
PART B (2.5 LBS) (b)(4)
C-B1-H

6.5 GL KIT

(b)(4)

COLORFLAKE M - MIL-PRF-5981 TYPE I CLASS 1, 2 & 3 MATERIAL T.C. 424E2.128 Canadian Approval T.C. 424E2.128						
ITEM #	ITEM DESCRIPTION	UNIT SIZE	LIST PRICE	WEIGHT	PER CARTON	
0563	T/M Bondcoat	Unit 2A	(b)(4)	4.1 lbs	4	
0564	T/M Bondcoat	Unit 2B		1.3 lbs	4	
	TOTAL	Unit 12		5.4 lbs		
0565	T/M Bondcoat	Unit 1A		7.7 lbs	4	
0566	T/M Bondcoat	Unit 1B		2.3 lbs	4	
	TOTAL	Unit 1		10.0 lbs		
0441-CUSTOM	Colorflake M Custom Colors Base Resin (Use 0442 for B-Component)	Unit 1A		9.1 lbs	4	
0442	Colorflake M Base Resin	Unit 1B		2.3 lbs	4	
	TOTAL	Unit 1		11.7 lbs		
0441-CUSTOM	Colorflake M Custom Colors Base Resin (Use 0442 for B-Component)	Unit 1A		9.1 lbs	4	
0443-50	1/4" Colorflake Chips, Solid Colors	50 # box		52.0 lbs	N/A	
0443-50-CF	1/4" Colorflake Chips, Blended Colors	50 # box		52.0 lbs	N/A	
1278	Colorflake M Sealer	Unit 2A		3.1 lbs	4	
1279	Colorflake M Sealer	Unit 2B		1.8 lbs	4	
	TOTAL	Unit 12		4.9 lbs		
1281	Colorflake M Sealer	Unit 1A		4.0 lbs	4	
1282	Colorflake M Sealer	Unit 1B		2.5 lbs	4	
	TOTAL	Unit 1		6.5 lbs		
COLORFLAKE VP - USCG IMO Certificate 164.196/328 Primary Deck Coverings & USCG IMO Certificate 164.117/228 Floor Coverings; Canadian Approval T.C. 424E2.184 & T.C. 424E2.183						
0563	T/M Bondcoat	Unit 2A		4.1 lbs	4	
0564	T/M Bondcoat	Unit 2B		1.3 lbs	4	
	TOTAL	Unit 12		5.4 lbs		
0565	T/M Bondcoat	Unit 1A		7.7 lbs	4	
0566	T/M Bondcoat	Unit 1B		2.3 lbs	4	
	TOTAL	Unit 1		10.0 lbs		
0393-CF	Colorflake VP Basecoat	Unit 3A		6.0 lbs	4	
0394-CF	Colorflake VP Basecoat	Unit 3B		42.5 lbs	4	
	TOTAL	Unit 3		48.5 lbs		
0445-IMO-COLOR	1" IMO Colorflake Chips Solid Colors	55 # box	(b)(4)	57.0 lbs	N/A	
0445-IMO-CF	1" IMO Colorflake Chips Blended Colors	55 # box		57.0 lbs	N/A	
0445-Q-IMO	1/4" IMO Colorflake Chips Solid Colors	55 # box		57.0 lbs	N/A	
0445-Q-IMO-CF	1/4" IMO Colorflake Chips Blended Colors	55 # box		57.0 lbs	N/A	
1416	T/M Clearsealer	Unit 2G		3.5 lbs	4	
1417	T/M Clearsealer	Unit 2H		1.9 lbs	4	
	TOTAL	Unit 12		5.4 lbs		
1422	T/M Clearsealer UNITG (KIT NSN #8030-01-1888-2973)	Unit 1G		4.5 lbs	4	
1423	T/M Clearsealer UNITH (KIT NSN #8030-01-1888-2973)	Unit 1H		2.25 lbs	4	
	TOTAL	Unit 1		7.25 lbs		



**DEPARTMENT OF THE NAVY
USS THEODORE ROOSEVELT (CVN 71)
FPO AE 09599-2871**

1210
SUP
15 Jul 14

From: Commanding Officer, USS THEODORE ROOSEVELT (CVN 71)
To: CDR Christian M. Mahler, SC, USN

Subj: AUTHORIZATION TO APPROVE SHIP'S HAZARDOUS MATERIAL
FEEDBACK REPORTS

Ref: (a) OPNAVINST 5100.19E

1. Per reference (a) you are hereby authorized to approve Ships Feedback Reports.
2. Your signature will now denote acceptance of the procurement and use of all non-Ships Hazardous Material Log material.


D. C. GRIECO



1261

Mfg. Date: 1/2015

Lot# TEST3

NON-HAZARDOUS MIXTURE

DEX-O-TEX®

COLORFLAKE M SEALER

Unit 1 - Part A

FOR PROFESSIONAL USE ONLY
 Dex-O-Tex Product Line – Crossfield Products Corp.

West Coast
 3000 E. Harcourt Street
 Rancho Dominguez, CA 90221
 Tel: 310.886.9100
 Fax: 310.886.9119

East Coast
 140 Valley Road
 Roselle Park, NJ 07204
 Tel: 908.245.2800
 Fax: 908.245.0659



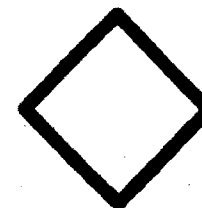
BISPHENOL A DIOLYCIDYL ETHER
 OXIRANE, MONO[10,14-ALKYLOXY(METHYL) DERIVE

GABF 00000-08-4
 GABF 00000-07-2

VOC: 7 grams/liter

FIRST AID IN CASE OF CONTACT
EYES – Immediately flush eyes with plenty of water at least 15 minutes. Call a physician.
SKIN – Flush skin with plenty of water.
KEEP OUT OF REACH OF CHILDREN

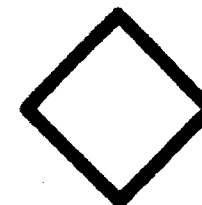
THOROUGHLY READ
INSTRUCTIONS AND SDS SHEET
BEFORE OPENING



WARNING

Causes skin irritation.

May cause an allergic skin reaction.



Do not breath dust /fume /gas /mist /vapors /spray.

Wear protective gloves /protective clothing /eye protection /face protection.



Dispose of contents and container in accordance with all local, regional, national and international regulations.

Respiratory tract irritation
 May be harmful if inhaled.
 May cause respiratory irritation.
 Causes serious eye irritation.
 May be harmful if swallowed.

STIR BEFORE USE – SHELF LIFE 12 MONTHS

KEEP FROM FREEZING – PERISHABLE IF FROZEN



1262

DEX-O-TEX

COLORFLAKE M SEALER

Unit 1 - Part B

Mfg. Date: 1/2015

Lot# TEST5

UN3086, PAINT RELATED MATERIAL
CLASS 8, PG II, CORROSIVE

FOR PROFESSIONAL USE ONLY

Dex-O-Tex Product Line - Crossfield Products Corp.

West Coast
3000 E. Harcourt Street
Rancho Dominguez, CA 90221
Tel: 310.886.9100
Fax: 310.886.9119

East Coast
140 Valley Road
Roselle Park, NJ 07204
Tel: 908.245.2800
Fax: 908.245.0659



FIRST AID IN CASE OF CONTACT
EYES - Immediately flush eyes with plenty of water at least 15 minutes.
Call a physician.
SKIN - Flush skin with plenty of water.
KEEP OUT OF REACH OF CHILDREN

THOROUGHLY READ
INSTRUCTIONS AND SDS SHEET
BEFORE OPENING

BENZYL ALCOHOL
AMINE ADDUCT
ISOPHORONEDIAMINE
1,3-CYCLOHEXANEDITHIOMETHYLAMINE
NONYLPHENOL

CAS# 100-91-4
TRADE SECRET
CAS# 2800-13-2
CAS# 2070-90-6
CAS# 84002-16-3

VOC: 0 grams/liter



Respiratory tract irritation
May be harmful if inhaled.
May cause respiratory irritation.
Causes serious eye irritation.
May be harmful if swallowed.



Warning

Toxic if inhaled.
Causes skin irritation.
Harmful if swallowed.
Causes eye irritation.
May cause an allergic skin reaction.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Dispose of contents and container in accordance with all local, regional, national and international regulations.



STIR BEFORE USE SHELF LIFE 12 MONTHS

KEEP FROM FREEZING PERISHABLE IF FROZEN



1262

DEX-O-TEX

COLORFLAKE M SEALER

Unit 1 - Part B

Mfg. Date: 1/2015

Lot# TEST5

UN3086, PAINT RELATED MATERIAL
CLASS 8, PG II, CORROSIVE

FOR PROFESSIONAL USE ONLY

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BENZYL ALCOHOL
AMINE ADDUCT
ISOPHORONEDIAMINE
1,3-CYCLOHEXANEDITHIOMETHYLAMINE
NONYLPHENOL

CAS# 100-91-4
TRADE SECRET
CAS# 2800-13-2
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STIR BEFORE USE SHELF LIFE 12 MONTHS

KEEP FROM FREEZING PERISHABLE IF FROZEN



Specification Reference

MIL-PRF-24613, Type I, Class 2

Dex-O-Tex Colorflake M

Marine Decking Product Description Sheet

TYPE

Dex-O-Tex Colorflake M is an epoxy resin composition deck covering which is applied to a thickness of 1/16 inch (1.59mm). Colorflake M provides a decorative, lightweight easily cleaned surface for crew quarters, mess decks, passageways, toilet spaces and galleys.

Dex-O-Tex Colorflake M is fluid-applied to form a jointless surface offering substantial protection against corrosion of metal decking. Colorflake M is available in a wide range of attractive background colors into which are incorporated in decorative pigment chips sealed in a clear epoxy matrix. Dex-O-Tex Colorflake M can be rapidly applied and can be easily installed by experienced deck covering craftsmen on underlayment or steel. A Dex-O-Tex Colorflake M application is quick, clean and neat.

SPECIFICATION REFERENCE

U.S. Dept.
of Defense MIL-PRF-24613
Type I, Class 2

THICKNESS

1/16 inch (1.6 mm)

TECHNICAL DATA

All values shown for application over underlayment meet MIL-PRF-3135H Type I, Class 2 and MIL-PRF-3135H, Type II, Class 2.

Weight 0.3 lbs/ft² @ 1/16 inch
(with underlayment) (2.93 kg/m² @ 1.59 mm)

Fire Rating U.S. Navy Fire Retardant
(MIL-STD-1623E, SHIPS)

Corrosive Effect, Steel None

Corrosive Effect, Aluminum None

TYPICAL USES

- Passageways
- Staterooms & cabins
- Offices
- Laboratories
- Dressing stations
- Pharmacies
- X-Ray areas
- Crew living spaces
- Laundry
- Tailor & barber shops

ADVANTAGES

- Fast curing for short installation times
- Durable in sanitary, wet spaces
- Attractive color range
- Easily maintained
- Fire retardant
- Slip resistant
- Not flammable or toxic in wet state



LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICES ARE MET.

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Crossfield's examination shall disclose to Crossfield's satisfaction to be thus defective.

In no event shall Crossfield Products Corp. be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties expressed or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Crossfield's part, and we neither assume nor authorize any person or persons to assume for us any other liability in connection with sale of a Crossfield Products. This warranty shall not apply to any of Crossfield's products, which have been subject to adulteration, alteration abuse or misuse. Crossfield Products Corp. makes no warranty whatsoever in respect to accessories, parts or material not supplied by Crossfield Products Corp., which are used in connection with its products. The term "Original Purchaser" in this warranty means that person, corporation or entity to whom Crossfield Products Corp. sold its products. Any action to enforce any warranty or for breach of contract or arising out of any claim against Crossfield Products Corp. shall be commenced and maintained only in a court of competent jurisdiction in the continental United States of America. The purchaser accepts these terms and conditions and hereby expressly waives any claim to additional damages.

CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



Dex-O-Tex Marine Product Line
Crossfield Products Corp.
www.dexotexmarine.com



West Coast Office
3000 E. Harcourt St.
Rancho Dominguez, CA 90221
Telephone • 310.886.9100
Fax • 310.886.9119

East Coast Office
140 Valley Road
Roselle Park, NJ 07204
Telephone • 908.245.2800
Fax • 908.245.0659



Application Specification

COLORFLAKE M

Purpose and Scope

To outline instructions for application of Dex-O-Tex Colorflake M, a terrazzo-like interior deck covering that does not require grinding. This product is manufactured to meet the requirements of MIL-PRF-24613(SH), Type I, Class 2 Deck Covering Materials, Interior, and Cosmetic Polymeric.

Thickness 1/16" to 3/32"
(1.59 mm to 2.39 mm)

Approximate Quantity of Materials Required

To Cover ONE HUNDRED SQ. FT (9.3 sq. Meters)

<u>Amount Required</u>	<u>THICKNESS</u> 1/16" (1.59mm)
------------------------------	------------------------------------

VLW Type III Underlayment	as required, see "Surface Preparation" below
---------------------------------	---

Colorflake M Basecoat, (A & B Components)	2.00 units
--	------------

Colorflake M Chips (50-lb. bag)	0.16 bag
--	----------

Colorflake "M" Sealer Resin (A & B Components)	1.00 unit
---	-----------

Required Equipment

1/4" or 3/8" Drill
Jiffy Blade
Masking Tape
Foxtail Brush
Industrial Vacuum
1/16" Notched Trowel
Shoes with golf spikes
Approved solvent for cleaning tools
Protective gloves and hand cream
Rubber-Edged Squeegees (White or Red)
Dex-O-Tex Trowel 3" x 12" (8 cm x 30 cm)
Medium/Heavy Nap Mohair Rollers, Sleeves and
Handles
Wallpaper smoothing brushes (natural bristle-not
nylon)
Sandpaper No. 80 or No. 100 grit

Surface Preparation

Metal deck surfaces should be cleaned free of rust, loose scale, and dirt in accordance with SSPC SP-11/NACE No 6. Grease and oil should be removed with approved solvents and clean rags in accordance with SSPC SP-1. The resulting surface should be clean and bright and protected against corrosion before Dex-O-Tex materials are applied. Dex-O-Tex Colorflake M may be applied to a cured Navy Formula 150 Primer, MIL-DTL-24441, MIL-PRF-23636 or to Dex-O-Tex Terrazzo M Underlayment installed in accordance with Dex-O-Tex Application Specification S-108M (Marine). Consult Crossfield Products Corp. when wood or other deck surfaces are involved.

MATERIAL TEMPERATURE:

The temperature of the materials should be between 65° to 85°F (18°C to 29°C) for best mixing and application properties

APPLICATION TEMPERATURE

Deck surface and room temperature of 65°F to 75°F (18°C to 24°C) should be maintained for at least 24 hours for proper curing after installation.

Packaging

Colorflake M Basecoat
(A & B Components packed in cartons)
Colorflake Chips (packaged in 50-lb. bags)
Colorflake M Sealer Resin, (A & B Components packed in cartons)

NOTE: Where Dex-O-Tex VLW Type III Underlayment or Terrazzo M Underlayment is installed to "fair" a deck, it will be necessary to apply a coat of Terrazzo M Grout Resin to the (overnight cured) Underlayment surface before proceeding with application of Colorflake M Basecoat. Terrazzo M Grout Coat should cure at least eight to twelve (8-12) hours at 65°F-75°F (18°C-24°C) before application of Colorflake M Basecoat.



Application Specification

COLORFLAKE M

OPTION:

It is permissible to apply a "first" or "primer" coat of Colorflake M Basecoat to the cured Terrazzo M Underlayment in lieu of the Terrazzo M coat.

APPLICATION PROCEDURE

STEP ONE – Basecoat

The Colorflake M Basecoat A & B Components are supplied as a unit in two separate containers. After the surface to be covered has been properly prepared, pour the contents of the can containing Colorflake M Basecoat, Component B into the can containing Component A. Blend thoroughly with a Jiffy blade, paint mixer or other mechanical means for two (2) minutes. Colorflake M has a pot life of approximately 30 minutes at an ambient temperature of 70°F to 75°F (21°C to 24°C). The working time of the material will be lengthened if it is either poured out of the mixing pail onto the surface and then worked from there, or else poured into a wide receptacle (such as a paint roller tray) and then worked from that.

Spread the blended Basecoat materials evenly over the surface using a 3" x 12" x 1/16" "V" notched trowel. This material will semi-self level in a couple of minutes. Allow to cure overnight or at least twelve (12) hours at 65°F-75°F (18°C-24°C) before starting Chipping Application.

A unit of Colorflake M Basecoat should cover approximately 50 sq. ft. (9.3 m²), on steel decking.

For vertical surfaces, apply a thin coat of Basecoat by brush, using masking tape to establish straight line at top of base.

STEP TWO – Colorflake M Chips

After the Colorflake M Basecoat has cured for at least twelve (12) hours, mix and apply one (1) coat of Colorflake "M" Sealer (A & B Components) as follows;

Pour Colorflake "M" Sealer Component B into Component A and blend thoroughly with a Jiffy

blade, taking care not to stir air into the mix (do not lift the Jiffy blade out of the combined materials while blending). Pour blended Colorflake "M" Sealer into a large paint pan (to lengthen pot life and allow entrained air to escape). Spread the blended materials over the cured Colorflake "M" Basecoat using a medium nap Mohair roller, evenly spreading the coating.

As the Sealer coat levels, broadcast the Colorflake chips into the wet material. As an area is "chipped", it should be "back-rolled" with Colorflake "M" Sealer to flatten and "encapsulate" the chips. One unit of Colorflake M Sealer should cover approximately 150-175 sq. ft.

For vertical surfaces chips are cast against the wet Colorflake "M" Sealer coat and immediately "back-rolled" to flatten and "encapsulate" chips.

Care must be taken to uniformly broadcast the Colorflake chips into the Sealer while it is still wet. Shoes with **golf spikes MUST** be used to walk on the Sealer during this operation. **DO NOT WALK ON AREAS** once they have been covered with Colorflake chips.

One bag (50 lbs.) of Colorflake chips will be sufficient to "chip" approximately 800 sq. ft. at 40%-60% coverage.

STEP THREE – Sealer Finish Coat

The Sealer Finish is applied in one (1) coat. Pour Colorflake "M" Sealer Component B into Component A and blend thoroughly. Apply the Finish coat liberally with a medium nap mohair roller to prevent puddling. This coat should be spread at a rate of approximately 300-350 sq. ft. per one gallon unit. Colorflake M is intended to have a slightly textured surface.

The Finish coat should be allowed to cure for at least twelve (12) hours at 65°F to 75°F (18°C to 24°C) before bearing light foot traffic. An additional twenty-four (24) hours is required before full service is restored.



Application Specification

COLORFLAKE M

NOTE:

Additional Sealer coats may be required or desired for special service conditions. Allow twelve (12) hours drying time between coats. Be sure additional Sealer materials are on hand before proceeding.

CAUTIONS:

1. For proper workability it is important the Dex-O-Tex materials be stored and mixed at a temperature of 65°F-80°F.
2. The substrate temperature should be between 65°F-80°F. A warm substrate will decrease the pot life and make the materials sticky. A cooler substrate will retard the cure and may cause a blush of the polymeric resins. Deck surface and room temperature of 65°F or slightly higher must be maintained for proper curing.
3. When mixing the polymeric resin components, be sure to use all of the provided resins. The resins are pre-measured to the correct ratios. Scrape all of the hardener from the container into the resin.
4. Do not turn mixing vessels upside down to drain on the flooring surface. Unmixed resin from the side may produce soft or uncured spots on the flooring surface.
5. Keep the unfinished flooring surface clean. Do not track dirt, grease, or any other contaminate onto the unfinished flooring surface. Any contaminate could effect the aesthetics of the finished flooring.
6. Good ventilation must be provided during application, particularly in confined spaces.
7. Always obtain, read and observe Manufacturers Safety Data Sheets (MSDS) before handling polymeric materials. Become familiar with the products on paper before you open the cans.

General Conditions for Safe Handling of Polymeric Resinous Flooring Systems

1. Read and observe precautionary statements on product labels.
2. Keep containers tightly closed.
3. Keep out of reach of children.
4. For industrial use only. Do not allow application by untrained workers.
5. Remove contaminated clothing and shoes. Wash clothing before re-use.
6. Use of safety goggles and chemical resistant gloves is recommended. Wear only full length trousers and long-sleeve shirts. Apply protective creams to exposed skin areas.
7. In general, prolonged contact of polymeric resins with skin may cause irritation. Contact with curing agents

may cause skin burns. Products may cause skin sensitization or other allergic responses. Avoid all contact with eyes.

8. In case of contact with skin, immediately remove the material with soap and water. Upon completion of work at lunchtime or end of day, carefully check all skin surfaces for any traces of polymeric resins. Wash with soap and water. If wash facilities are not located nearby, establish water washing station at work site. **DO NOT** use solvents to remove polymeric resins from skin as solvents will drive polymeric resins deeper into skin. If redness or skin rash develop, consult a physician.
9. In the event of eye contact, flush immediately with plenty of water for at least 15 minutes. Consult a physician immediately.
10. Mix and apply polymeric resin materials only in conditions of good ventilation. Avoid breathing vapors. A fan to circulate fresh air may be needed. Certain polymeric resin products and/or certain working conditions require use of NIOSH/MSA organic vapor respirator. Consult MSDS.
11. **First Aid for Inhalation:**
If effects occur, remove patient to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get immediate medical attention.



DOT MARINE PRODUCT LINE **Crossfield Products Corp.**

West Coast Office
3000 E. Harcourt Street
Rancho Dominguez, CA
90221
310-886-9100
310-886-9119 fax

East Coast Office
140 Valley Road
Roselle Park, NJ
07204
908-245-2800
908-245-0659 fax

www.dexotexmarine.com

CROSSFIELD PRODUCTS CORPORATION

www.crossfieldproducts.com

3000 E. Harcourt St.
Rancho Dominguez, CA 90221 (Headquarters)
(310)-886-9100 (8:00 AM – 5:00 PM Pacific Time)

140 Valley Rd.
Roselle Park, NJ 07204
(908)-245-2800 (8:00 AM – 5:00 PM Eastern Time)

SAFETY DATA SHEET

TRADE NAME (AS LABELED):

ColorFlake M Sealer, Part A

CHEMICAL NAME/CLASS:

Modified Epoxy Resin

PRODUCT USE:

Specialty Flooring Resin

SUPPLIER/MANUFACTURER'S NAME:

Crossfield Products Corp.

ADDRESS: (West Coast):

3000 E. Harcourt St.

Rancho Dominguez, CA 90221 (Headquarters)

ADDRESS: (East Coast):

140 Valley Rd.

Roselle Park, NJ 07204

EMERGENCY PHONE:

CHEMTREC: 800-424-9300

DATE OF PREPARATION:

March 23, 2007

REVISION DATE:

May 30, 2014



Signal Word: (Warning)

Hazard Statements:

- H333: May be harmful if inhaled
- H315 Causes skin irritation
- H303: May be harmful if swallowed

- H335: May cause respiratory irritation
- H320: Causes eye irritation
- H317 May cause an allergic skin reaction

Precautionary Statements:

- P102: Keep out of reach of children
- P103: Read label before use
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

HMIS-RATINGS (SCALE 0 – 4)

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

Health = 2
Fire = 1
Reactivity = 0

NFPA RATING



EMERGENCY OVERVIEW:

For Routine Industrial Applications

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE: The most significant route of occupational overexposure is contact with skin. The symptoms of overexposure to this product are as follows:**INHALATION:** If mists or sprays of this solution are inhaled, this product may cause pulmonary irritation, irritation of the mucus membranes, and coughing.**CONTACT WITH SKIN or EYES:** Contact with the eyes may cause slight transient (temporary) eye irritation. Corneal injury is unlikely. Prolonged or repeated skin contact may dry the skin. Symptoms may include redness, drying and cracking of skin. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects), and numbness.**INGESTION:** Though ingestion is not anticipated to be a significant route of over-exposure to this product, if ingestion does occur, irritation of the mouth, throat, esophagus, and other tissues of the digestive system may occur upon contact.**INJECTION:** Though injection is not anticipated to be a significant route of over-exposure to this product, if it occurs, local reddening, tissue swelling, and discomfort may result.**HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms.****ACUTE:** Contact with this solution may cause irritation of the eyes, skin, mucous membranes, and any other exposed tissue. If inhaled, irritation of the respiratory system may occur, with coughing, and breathing difficulty**CHRONIC:** Repeated skin contact with this product may result in dermatitis (inflammation and reddening of the skin).**COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS #	%	EXPOSURE LIMITS IN AIR					
			ACGIH		OSHA		IDLH	OTHER
			TLV mg/m ³	STEL mg/m ³	PEL mg/m ³	STEL mg/m ³		
Bisphenol A Diglycidyl Ether	25068-38-6	60 - 100	NE	NE	NE	NE	NE	NE
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs	68609-97-2	10 - 30	NE	NE	NE	NE	NE	ND
Water and other ingredients. The other ingredients are each present in less than 1 percent concentration in this product.		Balance	The components present in the balance of this product do not contribute any significant, additional hazards. All hazard information pertinent to this product has been presented in the remaining sections of this Material Safety Data Sheet, per the requirements of Federal Occupational Safety and Health Hazard Communication Standard (29 CFR 1910.1200).					
VOC: Component = 7 grams/liter			As Applied (Part of a multi-component system) = 3 grams/liter					

NE = Not Established. C = Ceiling Limit. See Section 16 for Definitions of Terms Used.

NOTE: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-1993 format.

SKIN EXPOSURE: For Skin contact, if available, wash with large amounts of running water and soap for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Discard or decontaminate clothing before re-use, and destroy contaminated shoes.

EYE EXPOSURE: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

INHALATION: If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen.

INGESTION: If swallowed, immediately give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention. Have physician determine whether vomiting or stomach evacuation is necessary.

FLASH POINT, °C (method): >250°C (482°F) Closed Cup

AUTOIGNITION TEMPERATURE, °C: ND

FLAMMABLE LIMITS (in air by volume, %):

Lower (LEL): NE

Upper (UEL): NE

FIRE EXTINGUISHING MATERIALS:

Water Spray: YES

Foam: YES

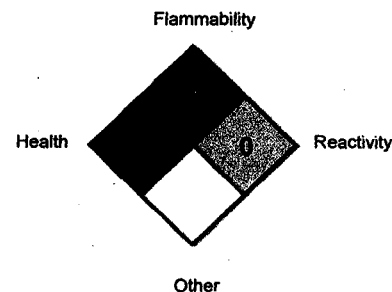
Halon: ND

Carbon Dioxide: YES

Dry Chemical: YES

Other: Any "ABC" Class.

NFPA RATING



UNUSUAL FIRE AND EXPLOSION HAZARDS: Run-off from fire control may cause pollution. Keep fire-exposed containers cool with water spray to prevent rupture due to excessive heat. High pressure water hose may spread product from broken containers increasing contamination. If involved in a fire, this product may decompose to produce a variety of compounds (i.e. carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides and compounds). Emergency responders must wear the proper personal protective equipment suitable for the situation to which they are responding. Products of combustion are irritating to the respiratory tract and may cause breathing difficulty. Symptoms may be delayed several hours or longer depending upon the extent of exposure.

Explosion Sensitivity to Mechanical Impact: Not sensitive.

Explosion Sensitivity to Static Discharge: Not sensitive.

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural fire fighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move fire-exposed containers, if it can be done without risk to firefighters. If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas. If necessary, discard or decontaminate fire response equipment before returning such equipment to service.

ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

The proper personal protective equipment for incidental releases (e.g.-1 L of the product released in a well-ventilated area) use impermeable gloves, specific for the material handled, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard-hat. Self Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, Select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

Absorb spilled liquid with polypads or other suitable absorbent materials. Neutralize residue with sodium bicarbonate and water rinse. Decontaminate the area thoroughly. Test area with litmus paper to confirm neutralization. Place all spill residue in a suitable container. Dispose of in accordance with Federal, State, and local hazardous waste disposal regulations (see Section 13, Disposal Considerations).

HANDLING AND STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash hands after handling this product. Do not eat or drink while handling this material. Remove contaminated clothing immediately. Discard contaminated clothing items, or launder before re-use. Inform anyone handling such contaminated laundry of the hazards associated with this product. Use ventilation and other engineering controls to minimize potential exposure to this product.

STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to handle it safely. Avoid breathing mists or sprays generated by this product. Use in a well-ventilated location.

For Non-Bulk Containers: Open containers slowly, on a stable surface. Containers of this product must be properly labeled. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers, or in a diked area, as appropriate. Store containers away from incompatible chemicals. Keep container tightly closed when not in use. Wash thoroughly after using this material. Storage areas should be made of fire-resistant materials. If appropriate, post warning signs in storage and use areas. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid, therefore, empty containers should be handled with care.

Bulk Containers: All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel.

Tank Car Shipments: Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment.). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times. Tank cars must be level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tank (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be clean and free of incompatible chemicals, prior to connection to the tank car or vessel. Valves and hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Decontaminate equipment before maintenance begins by a triple-rinse with water followed, if necessary, by using sodium bicarbonate and an additional rinse. Collect all rinsates and dispose of according to applicable Federal, State, or local procedures.

WORK PRACTICES, CONTROLS, PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: If required use a corrosion-resistant ventilation system separate from other exhaust ventilation systems to ensure that there is no potential for overexposure to sprays, or mists of this product and that exposures are below those in section 2 (Composition and Information on Ingredients). Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below exposure limits listed in Section 2 (Composition and Information on Ingredients). If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, or applicable State regulations. If adequate ventilation is not available or if there is potential for airborne exposure above the exposure limits (listed in Section 2) a respirator may be worn up to respirator exposure limitations, check with respirator equipment manufacturers recommendations/limitations. For a higher level of protection use positive pressure supplied air respirator protection or Self Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS:

Positive pressure, full-facepiece Self Contained Breathing Apparatus; or positive pressure, full-facepiece Self Contained Breathing Apparatus with an auxiliary positive pressure Self Contained Breathing Apparatus.

EYE PROTECTION: Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

HAND PROTECTION: Wear appropriate gloves for routine industrial use. Use appropriate gloves for spill response, as stated in Section 6 of this MSDS (Accidental Release Measures).

BODY PROTECTION: Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from natural rubber are generally acceptable, depending upon the task.

**For Routine
Industrial
Applications**



Safety Glasses



Safety Gloves



Synthetic Apron

PHYSICAL AND CHEMICAL PROPERTIES

RELATIVE VAPOR DENSITY (air = 1): ND

SPECIFIC GRAVITY (water = 1): 1.12

SOLUBILITY IN WATER: Not soluble.

VAPOR PRESSURE, mm Hg @ 20 °C: ND

ODOR: Slight

LOG WATER/OIL DISTRIBUTION COEFFICIENT: Not available.

APPEARANCE AND COLOR: Clear to slightly cloudy liquid

HOW TO DETECT THIS SUBSTANCE (warning properties): ND

EVAPORATION RATE (n-BuAc=1): ND

MELTING/FREEZING POINT: Not established.

BOILING POINT: > 200°C (>392°F)

pH: Not Established

TOXICOLOGICAL INFORMATION

STABILITY: Stable.

DECOMPOSITION PRODUCTS: Thermal decomposition products of this solution can include a variety of compounds. (i.e. carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides and other compounds).

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: This product reacts with strong oxidizers and amines.

HAZARDOUS POLYMERIZATION: Will not occur by itself. Considerable exothermic reaction with amine resins is possible.

CONDITIONS TO AVOID: Avoid exposure or contact to extreme temperatures and incompatible chemicals.

TOXICITY DATA: Additional toxicology information for components greater than 1 percent in concentration is provided below

	<u>CAS 25068-38-6</u>	<u>CAS 68608-97-2</u>
Acute Oral Effects (LD50):	(Rat) > 2,000 mg/kg	(Rat) > 19,000 mg/kg
Acute Dermal Toxicity (LD50):	(Rabbit) > 2,000 mg/kg	(Rabbit) > 4,500 mg/kg
Skin Irritation:	(Rabbit) Slight Irritation	(Rabbit) Moderate Irritation
Eye Irritation:	(Rabbit) Slight Irritation	(Rabbit) Mild Irritation
Sensitization:		May cause sensitization by skin contact
Mutagenicity:		Ames in vitro - Negative

<u>Carcinogenicity</u>	<u>CAS 25068-38-6</u>			
Result	Species	Dose	Exposure	
Negative - Oral-NOAEL	Rat - Male, Female	15 mg/kg	2 years; 7 days per week	
Negative - Dermal - NOEL	Rat - Female	1 mg/kg	2 years; 5 days per week	
Negative - Dermal - NOEL	Mouse - Male	0.1 mg/kg	2 years; 3 days per week	

SUSPECTED CANCER AGENT: The major components of this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC. Phenyl Glycidyl Ether (CAS 122-60-1 < 6 ppm) and Epichlorohydrin (CAS 106-89-8 < 1 ppm) are listed in CAL/OSHA Prop 65 list as cancer causing agents.

IRRITANCY OF PRODUCT: This product is moderately irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: Prolonged or repeated skin contact can result in the development of rashes, and other allergy-like symptoms.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

<u>Mutagenicity</u>	<u>CAS 25068-38-6</u>		
Test	Experiment	Result	
OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria Metabolic activation: +/-	Positive	
OECD 476 In Vitro Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Mammalian-Animal Cell: Somatic Metabolic activation: +/-	Positive	
OECD 478 Genetic Toxicology: Rodent Dominant Lethal Test	Experiment: In vivo Subject: Mammalian-Animal	Negative	
EPA OPPTS	Cell: Germ Experiment: In vivo Subject: Mammalian-Animal Cell: Somatic	Negative	

Teratogenicity

CAS 25068-38-6

<u>Result</u>	<u>Species</u>	<u>Dose</u>	<u>Exposure</u>
Negative - Oral	Rat - Female	>540 mg/kg NOEL:	10 days
Negative - Dermal	Rabbit - Female	>300 mg/kg NOEL:	13 days; 6 hours per day
Negative - Oral	Rabbit - Female	180 mg/kg NOAEL	13 days

Reproductive Toxicity

CAS 25068-38-6

<u>Maternal Toxicity</u>	<u>Fertility</u>	<u>Development Toxin</u>	<u>Species</u>	<u>Dose</u>	<u>Exposure</u>
Negative	Negative	Negative	Rat - Male, Female	Oral: 540 mg/kg NOEL:	238 days; 7 days per week

Potential chronic health effects

Chronic effects	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Target Organs	: No know significant effects or critical hazards.
Carcinogenicity	: No know significant effects or critical hazards.
Mutagenicity	: No know significant effects or critical hazards.
Teratogenicity	: No know significant effects or critical hazards.
Fertility effects	: No know significant effects or critical hazards.
Developmental effects	: No know significant effects or critical hazards.

Medical conditions aggravated by over-exposure

Pre-existing skin disorders may be aggravated by over-exposure to this product.

Inhalation of this products mists may aggravate respiratory conditions.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate over-exposure to this product.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

Aquatic ecotoxicityBisphenol A epoxy resin

<u>Test</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
202 Daphnia sp. Acute Immobilisation Test	Acute EC50 3.6 mg/L	Daphnia - Daphnia magna Straus 1820	24 hours
ECC (1988)	Acute IC50 > 100 mg/L	Bacteria - Aerobic bacteria	3 hours
203 Fish, Acute Toxicity Test	Acute LC50 1.5 mg/L	Fish - Rainbow trout (Oncorhynchus mykiss, Salmo gairdneri)	96 hours

Reaction product: bisphenol A-(epichlorhydrin); epoxy resin

Test	Result	Species	Exposure
	Acute EC50 9.4 mg/L Fresh water	Algae	72 hours Static
OECD 202 Daphnia sp. Acute Immobilisation Test	Acute EC50 1.7 mg/L Fresh water	Daphnia	48 hours Static
	Acute IC50 >100 mg/L Fresh water	Bacteria	3 hours Static
OECD 203 Fish, Acute Toxicity Test	Acute LC50 1.5 mg/L Fresh water	Fish	96 hours Static
OECD 211 Daphnia Magna Reproduction Test	Chronic NOEC 0.3 mg/L Fresh water	Daphnia	21 days Semi-static

Biodegradability

Reaction product: bisphenol A-(epichlorhydrin); epoxy resin

Test	Result	Dose	Exposure
OECD Derived from OECD 301F (Biodegradation Test)	5% - Not readily -28 days	20 mg/L Oxygen consumption	-

Other Ecological Information

Biological Oxygen Demand (BOD 5 Day) : Not Determined

Chemical Oxygen Demand (COD) : Not Determined

Aquatic half-life

Fresh water 4.83 days

Fresh water 3.58 days

Fresh water 7.1 days

Photolysis

-

Biodegradability

Not readily

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. It may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Department of Transportation:

Not Regulated

(Not Regulated for quantities less than 450 Liters (118 Gallons))

TDG

Name: Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy Resin) Marine Pollutant
 UN Number: UN3082
 Class: 9
 Packing Group: III



IMDG

Name: Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy Resin) Marine Pollutant
UN Number UN3082
Class 9
Packing Group III
Emergency Schedules (EMS) F-A, S-

IATA-DGR

Name: Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy Resin)
UN Number UN3082
Class 9
Packing Group III



OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

SARA REPORTING REQUIREMENTS: The components of this product are not subject to the reporting requirements of Sections 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

SARA Threshold Planning Quantity: Not applicable.

TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

CERCLA REPORTABLE QUANTITY (RQ): Not listed

OTHER FEDERAL REGULATIONS: Not applicable.

STATE REGULATORY INFORMATION: Components of this product are covered under specific State regulations, as denoted below:

New Jersey Right-to-know: The following is required composition information:

CAS No. 106-89-8
RTK No. (828)
Common Name: Epichlorohydrin

Pennsylvania Right-to-know: The following is required composition information:

CAS No. 106-89-8
Common Name: Epichlorohydrin

CALIFORNIA PROPOSITION 65: The below list of compounds is known to the State of California to cause cancer, birth defects or other reproductive harm:

CAS No. 122-60-1 106-89-8
Common Name: Phenyl Glycidyl Ether Epichlorohydrin

WHMIS Classification:

D2B - Poisonous and infectious material - Other effects - Toxic



D2B - Toxic

WHMIS Health Effects Criteria Met by this Chemical:

D2B - Eye irritation - toxic - other
D2B - Skin Sensitization - toxic - other

PREPARED BY:

BILL BEACH

CROSSFIELD PRODUCTS CORP.

THIS INFORMATION IS DRAWN FROM RECOGNIZED SOURCES BELIEVED TO BE RELIABLE. CROSSFIELD PRODUCTS CORP. MAKES NO GUARANTEES NOR ASSUMES ANY LIABILITY IN CONNECTION WITH THIS INFORMATION. THE USER SHOULD BE AWARE OF CHANGING TECHNOLOGY, RESEARCH, REGULATIONS AND ANALYTICAL PROCEDURES THAT MAY REQUIRE CHANGES HEREIN. THE ABOVE DATA IS SUPPLIED UPON THE CONDITION THAT PERSONS WILL EVALUATE THIS INFORMATION AND THEN DETERMINE ITS SUITABILITY FOR THEIR USE.

DEFINITIONS OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these which are commonly used include the following:

CAS #: This is the Chemical Abstract Service Number which uniquely identifies each constituent. It is used for computer-related searching.

EXPOSURE LIMITS IN AIR:

ACGIH - American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits.

TLV - Threshold Limit Value - an airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour **Time Weighted Average (TWA)**, the 15-minute **Short Term Exposure Limit**, and the instantaneous **Ceiling Level**. Skin adsorption effects must also be considered.

OSHA - U.S. Occupational Safety and Health Administration.

PEL - Permissible Exposure Limit - This exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1993 Air Contaminants Rule (Federal Register: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase, "Vacated 1989 PEL," is placed next to the PEL which was vacated by Court Order.

IDLH - Immediately Dangerous to Life and Health - This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. The **DFG - MAK** is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. **NIOSH** is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (**OSHA**). NIOSH issues exposure guidelines called **Recommended Exposure Levels (RELs)**. When no exposure guidelines are established, an entry of **NE** is made for reference.

HMIS HAZARD RATINGS:

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: Health Hazard:

0 (minimal acute or chronic exposure hazard); 1 (slight acute or chronic exposure hazard); 2 (moderate acute or significant chronic exposure hazard); 3 (severe acute exposure hazard; onetime over-exposure can result in permanent injury and may be fatal); 4 (extreme acute exposure hazard; onetime over-exposure can be fatal). Flammability Hazard: 0 (minimal hazard); 1 (materials that require substantial pre-heating before burning); 2 (combustible liquid or solids; liquids with a flash point of 38-93°C [100-200°F]); 3 (Class IB and IC flammable liquids with flash points below 38°C [100°F]); 4 (Class IA flammable liquids with flash points below 23°C [73°F] and boiling points below 38°C [100°F]). Reactivity Hazard: 0 (normally stable); 1 (material that can become unstable at elevated temperatures or which can react slightly with water); 2 (materials that are unstable but do not detonate or which can react violently with water); 3 (materials that can detonate when initiated or which can react explosively with water); 4 (materials that can detonate at normal temperatures or pressures).

NATIONAL FIRE PROTECTION ASSOCIATION: Health Hazard: 0 (material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); 1 (materials that on exposure under fire conditions could cause irritation or minor residual injury); 2 (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); 3 (materials that can on short exposure could cause serious temporary or residual injury); 4 (materials that under very short exposure could cause death or major residual injury). Flammability Hazard and Reactivity Hazard: Refer to definitions for "Hazardous Materials Identification System".

FLAMMABILITY LIMITS IN AIR:

Much of the information related to fire and explosion is derived from the **National Fire Protection Association (NFPA)**. **Flash Point** - Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. **Autoignition Temperature**: The minimum temperature required to initiate combustion in air with no other source of ignition. **LEL** - the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. **UEL** - the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

TOXICOLOGICAL INFORMATION:

Possible health hazards as derived from human data, animal studies, or from the results of studies with similar compounds are presented. Definitions of some terms used in this section are: **LD₅₀** - Lethal Dose (solids & liquids) which kills 50% of the exposed animals; **LC₅₀** - Lethal Concentration (gases) which kills 50% of the exposed animals; **ppm** - concentration expressed in parts of material per million parts of air or water; **mg/m³** - concentration expressed in weight of substance per volume of air; **mg/kg** - quantity of material, by weight, administered to a test subject, based on their body weight in kg. Data from several sources are used to evaluate the cancer-causing potential of the material. The sources are: **IARC** - the International Agency for Research on Cancer; **NTP** - the National Toxicology Program; **RTECS** - the Registry of Toxic Effects of Chemical Substances; **OSHA** and **CAL/OSHA**. IARC and NTP rate chemicals on a scale of decreasing potential to cause human cancer with rankings from 1 to 4. Subrankings (2A, 2B, etc.) are also used. Other measures of toxicity include **TDLo**, the lowest dose to cause a symptom and **TCLo** the lowest concentration to cause a symptom; **TD₀₁**, **LDLo**, and **LD₀₁**, or **TC**, **TC₀₁**, **LCLo**, and **LC₀₁**, the lowest dose (or concentration) to cause death. **BEI** - Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV.

REGULATORY INFORMATION:

This section explains the impact of various laws and regulations on the material. **EPA** is the U.S. Environmental Protection Agency. **WHMIS** is the Canadian Workplace Hazardous Materials Information System. **DOT** and **TC** are the U.S. Department of Transportation and the Transport Canada, respectively. Other acronyms used are: **Superfund Amendments and Reauthorization Act (SARA)**; the **Toxic Substance Control Act (TSCA)**; Marine Pollutant status according to the DOT; California's Safe Drinking Water Act (**Proposition 65**); the **Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund)**; and various state regulations. This section also includes information on the precautionary warnings which appear on the materials package label.

CROSSFIELD PRODUCTS CORPORATION

www.crossfieldproducts.com

3000 E. Harcourt St.
Rancho Dominguez, CA 90221 (Headquarters)
(310)-886-9100 (8:00 AM – 5:00 PM Pacific Time)

140 Valley Rd.
Roselle Park, NJ 07204
(908)-245-2800 (8:00 AM – 5:00 PM Eastern Time)

SAFETY DATA SHEET

TRADE NAME (AS LABELED):

CHEMICAL NAME/CLASS:

PRODUCT USE:

SUPPLIER/MANUFACTURER'S NAME:

ADDRESS: (West Coast):

ADDRESS: (East Coast):

EMERGENCY PHONE:

DATE OF PREPARATION:

REVISION DATE:

Colorflake M Sealer, Part B

Polyamine Solution

Decking Basecoat Curative

Crossfield Products Corp.

3000 E. Harcourt St.

Rancho Dominguez, CA 90221 (Headquarters)

140 Valley Rd.

Roselle Park, NJ 07204

CHEMTREC: 800-424-9300

March 27, 2007

May 30, 2014



Signal Word: (Warning)

Hazard Statements:

- H333: May be harmful if inhaled
- H315 Causes skin irritation
- H303: May be harmful if swallowed

- H335: May cause respiratory irritation
- H320: Causes eye irritation
- H317 May cause an allergic skin reaction

Precautionary Statements:

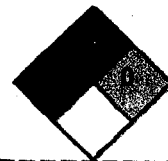
- P102: Keep out of reach of children
- P103: Read label before use
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

HMIS-RATINGS (SCALE 0 – 4)

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0

Health = 3
Fire = 1
Reactivity = 0

NFPA RATING



EMERGENCY OVERVIEW:

For Routine Industrial Applications

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE: The most significant route of occupational overexposure is contact with skin. The symptoms of overexposure to this product are as follows:

EYE CONTACT: May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur. Vapor may cause severe eye irritation. Vapor may cause lacrimation (tears).

INHALATION: Excessive exposure may cause irritation to upper respiratory tract (nose and throat). May cause central nervous system depression. Symptoms may include headache, dizziness and drowsiness, progressing to incoordination and unconsciousness. Prolonged excessive exposure may cause serious adverse effects, even death.

CONTACT WITH SKIN: Brief contact may cause severe skin burns. Symptoms may include pain, severe local redness and tissue damage. Prolonged skin contact is unlikely to result in absorption of harmful amounts. A component in this mixture has caused allergic skin reactions in humans. Contains component(s) which have caused allergic skin sensitization in guinea pigs.

INGESTION: Though ingestion is not anticipated to be a significant route of over-exposure to this product, if ingestion does occur, irritation of the mouth, throat, esophagus, and other tissues of the digestive system may occur upon contact.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms.

ACUTE: Contact with this solution may cause irritation of the eyes, skin, mucous membranes, and any other exposed tissue. If inhaled, irritation of the respiratory system may occur, with coughing, and breathing difficulty

CHRONIC: Repeated skin contact with this product may result in dermatitis (inflammation and reddening of the skin).

COMPOSITION INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% w/w	EXPOSURE LIMITS IN AIR					
			ACGIH		OSHA		IDLH mg/ m ³	OTHER mg/m ³
			TLV mg/m ³	STEL mg/m ³	PEL mg/m ³	STEL mg/m ³		
Benzyl Alcohol	100-51-6	10 - 40	NE	NE	NE	NE	NE	WEEL (TWA) 44.2 (10 ppm)
Amine Adduct	Trade Secret	10 - 30	NE	NE	NE	NE	NE	NE
Isophoronediamine	2855-13-2	10 - 30	NE	NE	NE	NE	NE	NE
1,3-Cyclohexanebis(Methylamine)	2579-20-6	10 - 30	NE	NE	NE	NE	NE	TWA (Skin) 0.8 mg/m ³ 0.1 ppm
Nonylphenol	84852-15-3	5 - 10	NE	NE	NE	NE	NE	NE
Water and other ingredients. The other ingredients are each present in less than 1 percent concentration in this product.		Balance	The components present in the balance of this product do not contribute any significant, additional hazards. All hazard information pertinent to this product has been presented in the remaining sections of this Material Safety Data Sheet, per the requirements of Federal Occupational Safety and Health Hazard Communication Standard (29 CFR 1910.1200).					
VOC: Component = 0 Grams/Liter			As Applied - 3 Grams/Liter (Part of Multi-Component System)					

NE = Not Established. C = Ceiling Limit. See Section 16 for Definitions of Terms Used.

NOTE: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-1993 format.

SKIN EXPOSURE: For Skin contact, if available, wash with large amounts of running water and soap for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Discard or decontaminate clothing before re-use, and destroy contaminated shoes.

EYE EXPOSURE: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

INHALATION: If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen.

INGESTION: If swallowed, immediately give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention. Have physician determine whether vomiting or stomach evacuation is necessary.

NOTES TO PHYSICIAN: Maintain adequate ventilation and oxygenation of the patient. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

FLASH POINT, °C (method): 93.3°C (199.9F) Closed Cup

AUTOIGNITION TEMPERATURE, °C: ND

FLAMMABLE LIMITS (in air by volume, %):

FIRE EXTINGUISHING MATERIALS:

Water Spray: YES

Foam: YES

Halon: ND

Lower (LEL): NE

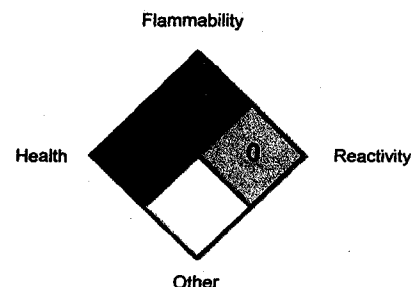
Upper (UEL): NE

Carbon Dioxide: YES

Dry Chemical: YES

Other: Any "ABC" Class.

NFPA RATING



UNUSUAL FIRE AND EXPLOSION HAZARDS: Run-off from fire control may cause pollution. Keep fire-exposed containers cool with water spray to prevent rupture due to excessive heat. High pressure water hose may spread product from broken containers increasing contamination. If involved in a fire, this product may decompose to produce a variety of compounds (i.e. carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides and compounds). Emergency responders must wear the proper personal protective equipment suitable for the situation to which they are responding. Products of combustion are irritating to the respiratory tract and may cause breathing difficulty. Symptoms may be delayed several hours or longer depending upon the extent of exposure.

Explosion Sensitivity to Mechanical Impact: Not sensitive.

Explosion Sensitivity to Static Discharge: Not sensitive.

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural fire fighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move fire-exposed containers, if it can be done without risk to firefighters. If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas. If necessary, discard or decontaminate fire response equipment before returning such equipment to service.

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

The proper personal protective equipment for incidental releases (e.g.-1 L of the product released in a well-ventilated area) use impermeable gloves, specific for the material handled, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard-hat. Self Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, Select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations. Absorb spilled liquid with polypads or other suitable absorbent materials. Neutralize residue with sodium bicarbonate and water rinse. Decontaminate the area thoroughly. Test area with litmus paper to confirm neutralization. Place all spill residue in a suitable container. Dispose of in accordance with Federal, State, and local hazardous waste disposal regulations (see Section 13, Disposal Considerations).

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash hands after handling this product. Do not eat or drink while handling this material. Remove contaminated clothing immediately. Discard contaminated clothing items, or launder before re-use. Inform anyone handling such contaminated laundry of the hazards associated with this product. Use ventilation and other engineering controls to minimize potential exposure to this product.

STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to handle it safely. Avoid breathing mists or sprays generated by this product. Use in a well-ventilated location.

For Non-Bulk Containers: Open containers slowly, on a stable surface. Containers of this product must be properly labeled. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers, or in a diked area, as appropriate. Store containers away from incompatible chemicals. Keep container tightly closed when not in use. Wash thoroughly after using this material. Storage areas should be made of fire-resistant materials. If appropriate, post warning signs in storage and use areas. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid, therefore, empty containers should be handled with care.

Bulk Containers: All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel.

Tank Car Shipments: Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment.). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times. Tank cars must be level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tank (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be clean and free of incompatible chemicals, prior to connection to the tank car or vessel. Valves and hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Decontaminate equipment before maintenance begins by a triple-rinse with water followed, if necessary, by using sodium bicarbonate and an additional rinse. Collect all rinsates and dispose of according to applicable Federal, State, or local procedures.

VENTILATION AND ENGINEERING CONTROLS: If required use a corrosion-resistant ventilation system separate from other exhaust ventilation systems to ensure that there is no potential for overexposure to sprays, or mists of this product and that exposures are below those in section 2 (Composition and Information on Ingredients). Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below exposure limits listed in Section 2 (Composition and Information on Ingredients). If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, or applicable State regulations. If adequate ventilation is not available or if there is potential for airborne exposure above the exposure limits (listed in Section 2) a respirator may be worn up to respirator exposure limitations, check with respirator equipment manufacturers recommendations/limitations. For a higher level of protection use positive pressure supplied air respiration protection or Self Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS:

Positive pressure, full-facepiece Self Contained Breathing Apparatus; or positive pressure, full-facepiece Self Contained Breathing Apparatus with an auxiliary positive pressure Self Contained Breathing Apparatus.

EYE PROTECTION: Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

HAND PROTECTION: Wear appropriate gloves for routine industrial use. Use appropriate gloves for spill response, as stated in Section 6 of this MSDS (Accidental Release Measures).

BODY PROTECTION: Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from natural rubber are generally acceptable, depending upon the task.



**Vapor
Respirator**



Safety Glasses



Safety Gloves



Synthetic Apron

RELATIVE VAPOR DENSITY (air = 1): ND

SPECIFIC GRAVITY (water = 1): 1.0

SOLUBILITY IN WATER: Slightly soluble.

VAPOR PRESSURE, mm Hg @ 20 °C: 0.2 mbar

ODOR: Amine

LOG WATER/OIL DISTRIBUTION COEFFICIENT: Not available.

APPEARANCE AND COLOR: Clear to hazy amber liquid

HOW TO DETECT THIS SUBSTANCE (warning properties): ND

EVAPORATION RATE (n-BuAc=1): ND

MELTING/FREEZING POINT: Not established.

BOILING POINT: > 200°C (>392°F)

pH: Not Established

STABILITY: Stable.

DECOMPOSITION PRODUCTS: Thermal decomposition products of this solution can include a variety of compounds. (i.e. Aromatic compounds, Amines, Hydrocarbons, Phenolics, and other compounds).

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Avoid contact with acids, halogenated hydrocarbons, and oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur by itself. Considerable exothermic reaction with amine resins is possible.

CONDITIONS TO AVOID: Avoid exposure or contact to extreme temperatures and incompatible chemicals.

TOXICITY DATA: Additional toxicology information for components greater than 1 percent in concentration is provided below.

Inhalation:	ND
Inhalation- Benzyl Alcohol:	LC50 (4hr): > 4.178 mg/l (Rat)
Skin:	ND
Skin – Benzyl alcohol	LD50: 2,000 mg/kg (Rabbit)
Eye irritation/corrosion:	Severe eye irritation
Acute dermal irritation/corrosion	Severe skin irritation

SUSPECTED CANCER AGENT: The major components of this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, CAL/OSHA in concentrations > 0.1 %; and are therefore not considered to be, nor suspected to be, cancer-causing agents by these agencies.

IRRITANCY OF PRODUCT: This product is severely irritating and corrosive to contaminated tissue.

SENSITIZATION TO THE PRODUCT: Prolonged or repeated skin contact can result in the development of rashes, and other allergy-like symptoms.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: This product is not reported to produce mutagenic effects in humans.

Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.

Teratogenicity: This product is not reported to cause teratogenic effects in humans.

Reproductive Toxicity: This product is not reported to cause reproductive effects in humans.

*A **mutagen** is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An **embryotoxin** is a chemical which causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A **teratogen** is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A **reproductive toxin** is any substance which interferes in any way with the reproductive process.*

BIOLOGICAL EXPOSURE INDICES: Currently there are no Biological Exposure Indices (BEIs) associated with the components of this product.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Skin disorders can be aggravated by over-exposure to this product. Inhalation of this products mists may aggravate respiratory conditions.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate over-exposure to this product.

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

Aquatic toxicity:

Toxicity to fish – Components

Benzyl alcohol	LC50 (96 h): 10 mg/l Bluegill sunfish (<i>Lepomis macrochirus</i>)
Isophoronediamine	LC50 (96 h): 110 mg/l Golden orfe (<i>Leuciscus idus</i>), static renewal
Methylamine	LC50 2.4 mg/l Zebra Fish (<i>Brachydanania rerio</i>)
Nonylphenol	LC50 (96 h): 0.135 mg/l Fathead Minnow (<i>Pimephales promelas</i>), flow through

Toxicity to invertebrates

Benzyl alcohol	EC50 (24 h): 55 – 400 mg/l Water flea (<i>Daphnia magna</i>)
Isophoronediamine	EC50 (48 h): 23 mg/l Water flea (<i>Daphnia magna</i>), immobilization
Methylamine	EC50 2.4 mg/l Water flea (<i>Daphnia magna</i>)
Nonylphenol	EC50 (48 h): 0.14 mg/l Water flea (<i>Daphnia magna</i>), immobilization

Toxicity to Micro-organisms – Components

Benzyl alcohol
IsophoronediamineIC50 (49 h): 2,100 mg/l activated sludge, respiration inhibition (OECD 209 Test)
EC10 (18 h): 1,120 mg/l bacteria, Growth inhibition (cell density reduction)

Toxicity to Aquatic Plants – Components

Isophoronediamine
NonylphenolEC50 (72 h): 37 mg/l Alga Scenedesmus sp., biomass growth inhibition
EC50 (96 h): .041 mg/l Green alga Pseudokirchneriella subcapitata (formerly know as Selenastrum capricornutum), Growth rate inhibition.

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. It may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Department of Transportation:

Proper Shipping Name: Paint related material
Class: 8
UN/ID No.: UN3066
Packing Group: II

IMDG Shipping Data:

Proper Shipping Name: Paint related material
Class: 8
UN/ID No.: UN3066
Packing Group: II
EMS Number: F-A, S-B
Marine Pollutant: Yes

ICAO/IATA Shipping Data:

Proper Shipping Name: Paint related material
Class: 8
UN/ID No.: UN3066
Packing Group: II
Cargo Packing Instruction: 855
Passenger Packing Instruction: 851
Marine Pollutant: Yes (Nonylphenol)



OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

OSHA Hazard Communication Standard (29CFR1910.1200) hazard class (es) -- Corrosive, Sensitizer.

SARA REPORTING REQUIREMENTS: The components of this product are not subject to the reporting requirements of Sections 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act. Hazard classification: Acute Health Hazard, Fire Hazard.

SARA Threshold Planning Quantity: Not applicable.

TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

CERCLA REPORTABLE QUANTITY (RQ): None

OTHER FEDERAL REGULATIONS: Not applicable.

New Jersey Right-to-know: The following is required composition information:
Not listed

Pennsylvania Right-to-know: The following is required composition information:

CAS Number: 100-51-6

Chemical Name: Benzenemethanol

Common Name: Benzyl Alcohol

Comment: Hazardous Substance.

CALIFORNIA PROPOSITION 65: Not listed.

WHMIS:

D2B- Poisonous and Infectious Materials/Other Effects



Class D - Poisonous and Infectious Material
Division 2 Materials Causing Other Toxic Effects

E. Corrosive Material



Class E - Corrosive Material

PREPARED BY:

BILL BEACH

CROSSFIELD PRODUCTS CORP,

THIS INFORMATION IS DRAWN FROM RECOGNIZED SOURCES BELIEVED TO BE RELIABLE. CROSSFIELD PRODUCTS CORP. MAKES NO GUARANTEES NOR ASSUMES ANY LIABILITY IN CONNECTION WITH THIS INFORMATION. THE USER SHOULD BE AWARE OF CHANGING TECHNOLOGY, RESEARCH, REGULATIONS AND ANALYTICAL PROCEDURES THAT MAY REQUIRE CHANGES HEREIN. THE ABOVE DATA IS SUPPLIED UPON THE CONDITION THAT PERSONS WILL EVALUATE THIS INFORMATION AND THEN DETERMINE ITS SUITABILITY FOR THEIR USE.

DEFINITIONS OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these which are commonly used include the following:

CAS #: This is the Chemical Abstract Service Number which uniquely identifies each constituent. It is used for computer-related searching.

EXPOSURE LIMITS IN AIR:

ACGIH - American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits.

TLV - Threshold Limit Value - an airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour **Time Weighted Average (TWA)**, the 15-minute **Short Term Exposure Limit**, and the instantaneous **Ceiling Level**. Skin adsorption effects must also be considered.

OSHA - U.S. Occupational Safety and Health Administration.

PEL - Permissible Exposure Limit - This exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1993 Air Contaminants Rule (Federal Register: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase, "Vacated 1989 PEL," is placed next to the PEL which was vacated by Court Order.

IDLH - Immediately Dangerous to Life and Health - This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. The **DFG - MAK** is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. **NIOSH** is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (**OSHA**). NIOSH issues exposure guidelines called **Recommended Exposure Levels (RELs)**. When no exposure guidelines are established, an entry of **NE** is made for reference.

HMIS HAZARD RATINGS:

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: Health Hazard:

0 (minimal acute or chronic exposure hazard); **1** (slight acute or chronic exposure hazard); **2** (moderate acute or significant chronic exposure hazard); **3** (severe acute exposure hazard; onetime over-exposure can result in permanent injury and may be fatal); **4** (extreme acute exposure hazard; onetime over-exposure can be fatal). Flammability Hazard: **0** (minimal hazard); **1** (materials that require substantial pre-heating before burning); **2** (combustible liquid or solids; liquids with a flash point of 38-93°C [100-200°F]); **3** (Class IB and IC flammable liquids with flash points below 38°C [100°F]); **4** (Class IA flammable liquids with flash points below 23°C [73°F] and boiling points below 38°C [100°F]). Reactivity Hazard: **0** (normally stable); **1** (material that can become unstable at elevated temperatures or which can react slightly with water); **2** (materials that are unstable but do not detonate or which can react violently with water); **3** (materials that can detonate when initiated or which can react explosively with water); **4** (materials that can detonate at normal temperatures or pressures).

NATIONAL FIRE PROTECTION ASSOCIATION: Health Hazard: **0**

(material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); **1** (materials that on exposure under fire conditions could cause irritation or minor residual injury); **2** (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); **3** (materials that can on short exposure could cause serious temporary or residual injury); **4** (materials that under very short exposure could cause death or major residual injury). Flammability Hazard and Reactivity Hazard: Refer to definitions for "Hazardous Materials Identification System".

FLAMMABILITY LIMITS IN AIR:

Much of the information related to fire and explosion is derived from the **National Fire Protection Association (NFPA)**. Flash Point - Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. Autoignition Temperature: The minimum temperature required to initiate combustion in air with no other source of ignition. LEL - the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL - the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

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Possible health hazards as derived from human data, animal studies, or from the results of studies with similar compounds are presented. Definitions of some terms used in this section are: **LD₅₀** - Lethal Dose (solids & liquids) which kills 50% of the exposed animals; **LC₅₀** - Lethal Concentration (gases) which kills 50% of the exposed animals; **ppm** concentration expressed in parts of material per million parts of air or water; **mg/m³** concentration expressed in weight of substance per volume of air; **mg/kg** quantity of material, by weight, administered to a test subject, based on their body weight in kg. Data from several sources are used to evaluate the cancer-causing potential of the material. The sources are: **IARC** - the **International Agency for Research on Cancer**; **NTP** - the **National Toxicology Program**, **RTECS** - the **Registry of Toxic Effects of Chemical Substances**, **OSHA** and **CAL/OSHA**. **IARC** and **NTP** rate chemicals on a scale of decreasing potential to cause human cancer with rankings from 1 to 4. Subrankings (2A, 2B, etc.) are also used. Other measures of toxicity include **TDLo**, the lowest dose to cause a symptom and **TCLo** the lowest concentration to cause a symptom; **TD₀**, **LDLo**, and **LD₀**, or **TC**, **TC₀**, **LCLo**, and **LC₀**, the lowest dose (or concentration) to cause death. **BEI** - **Biological Exposure Indices**, represent the levels of determinants which are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV.

REGULATORY INFORMATION:

This section explains the impact of various laws and regulations on the material. **EPA** is the U.S. Environmental Protection Agency. **WHMIS** is the Canadian Workplace Hazardous Materials Information System. **DOT** and **TC** are the U.S. Department of Transportation and the Transport Canada, respectively. Other acronyms used are: Superfund Amendments and Reauthorization Act (SARA); the Toxic Substance Control Act (TSCA); Marine Pollutant status according to the DOT; California's Safe Drinking Water Act (Proposition 65); the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund); and various state regulations. This section also includes information on the precautionary warnings which appear on the materials package label.

Celona, Michael J CIV NAVSUP WSS, M077

From: Hegarty, Emily W. LTJG <Emily.Hegarty@cvn71.navy.mil>
Sent: Friday, January 16, 2015 21:52
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Hill, Joshua R. LCDR; Mahler, Christian M. CDR (SUPPO)
Subject: Colorflake M Sealer Resin SFR
Attachments: dot%20logo.jpg; Colorflake M System Tech. Data Sheet.pdf; Colorflake M System Tech. Installation Instruction.pdf; LABEL #1261 Colorflake M Sealer Resin Part A.pdf; LABEL #1262 Colorflake M Sealer Resin Part B.pdf; MFGR's DATA Dex-O-Tex Colorflake M Sealer Resin.docx; MSDS #1261 Colorflake M Sealer Resin Part A.pdf; MSDS #1262 Colorflake M Sealer Resin Part B.pdf; Price List Colorflake M Sealer Resin #1261- #1262.pdf; colorflake m sealer resin SFR.pdf; SFR authorization.pdf
Signed By: emily.hegarty@navy.mil

Mike,

Please find the SFR for the Dex-o-Tex Colorflake Sealer Resin attached.
Please let me know if you need any additional information.

V/r,
Emily

E. W. Hegarty
LTJG, SC, USN
HAZMAT Officer
USS THEODORE ROOSEVELT (CVN 71)
J-DIAL: 5024/6350
757-443-7464

-----Original Message-----

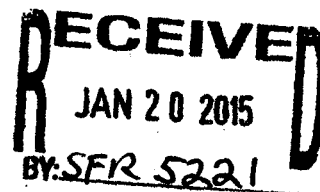
From: TomZam@aol.com [mailto:TomZam@aol.com]
Sent: Monday, January 12, 2015 4:13 PM
To: Hegarty, Emily W. LTJG
Subject: Zambetti - Mfgr's Data for SFR Colorflake M Sealer Resin

E. W. Hegarty
LTJG, SC, USN
HAZMAT Officer
USS THEODORE ROOSEVELT (CVN 71)

Dear Ms. Hegarty,

Data attached is for SFR for Dex-O-Tex Colorflake M Sealer Resin Kit.

Best regards,
ZAMBETTI ASSOCIATES, INC.
Tom Zambetti



DEX-O-TEX MARINE Representative

Phone: (610) 647-9792

Fax: (610) 647-9793

Mobile:(215) 260-9266

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 20, 2015 11:24
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: USS THEODORE ROOSEVELT; Hegarty, Emily E. LTJG (Emily.Hegarty@cvn71.navy.mil); Mahler, Christian M. CDR (SUPPO); Hill, Joshua R. LCDR; Richardson, David W CTR CNAP, N412; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; TomZam@aol.com
Subject: USS THEODORE ROOSEVELT: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR #5221)
Signed By: mike.celona@navy.mil

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Naval Surface Warfare Center, Carderock Division-Ships Systems Engineering Station (NSWCCD-SSES), Code 6350

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: Adriana Gil-Matos

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5221) DEX-O-TEX COLORFLAKE M SEALER, (Part# 1261/1262), NSN: None
(d) POC for the USS Theodore Roosevelt (CVN-71): LTJG Emily W. Hegarty
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

Ref (b) has forwarded your SFR to ref (e) for further review and analysis. Upon ref (e) recommendation, NSWCCD TA will issue an authorization decision. At that time, ref (b) will advise all POC's of the final analysis (approval/disapproval) of ref (e) review. When the results of this analysis is complete, the SHML/T-SHML will be modified by ref (b) to reflect the appropriate information on its next update.

2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.



DEPARTMENT OF THE NAVY

NAVSUP WEAPON SYSTEMS SUPPORT

700 ROBBINS AVENUE
PHILADELPHIA PA 19111-5098

5450 CARLISLE PIKE - PO BOX 2020
MECHANICSBURG PA 17055-0788

COM & FTS 717-605-8319
DSN & EXT 430-8319
FAX # 717-605-3480
IN REPLY REFER TO:
4030
Ser N242/012
20 January 2015

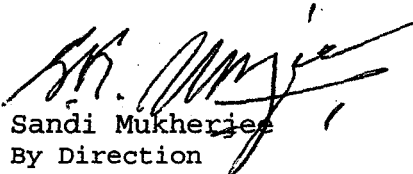
From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code M0772

To: Commanding Officer, Naval Surface Warfare Center, Carderock
Division-Ship Systems Engineering Station (NSWCCD-SSS),
Code 635

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIAL LIST (SHML) FEEDBACK
REPORT (SFR)

Encl: (1) SHML SFR (SFR# 5221)

1. Enclosure (1) contains a packet of one (1) SFR (SFR# 5221) for your review/recommendation.
2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code 0772.23, DSN 430-8319 for (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.


Sandi Mukherjee
By Direction

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Friday, January 30, 2015 8:29
To: 'USS THEODORE ROOSEVELT'; 'Hegarty, Emily E. LTJG (Emily.Hegarty@cvn71.navy.mil)'; 'Mahler, Christian M. CDR (SUPPO)'; 'Hill, Joshua R. LCDR'
Cc: Richardson, David W CTR CNAP, N412; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; 'TomZam@aol.com'; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: USS THEODORE ROOSEVELT: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5222 (FINAL ANSWER)
Signed By: mike.celona@navy.mil

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commander, USS Theodore Roosevelt (CVN-71)

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: LTJG Emily W. Hegarty

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5222) DEX-O-TEX COLORFLAKE M EPOXY BASECOAT RESIN KIT, (Part# 0441 COMP A / 0442 COMP B), NSN: 5610-01-584-3967
(d) POC for the USS Theodore Roosevelt (CVN-71): LTJG Emily W. Hegarty
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

2. Concerning ref (c) SFR# 5222 per ref (e):

Mike,

See below for response to SFR 5222:

USS Theodore Roosevelt (CVN 71)

SFR #5222: The SFR requested material (NSN 5610-01-584-3967; Dex-O-Tex Colorflake "M" Epoxy Basecoat Resin Kit) is not specifically called out by the referenced technical manual (NSTM Chapter 634). Therefore, the requested material should remain prohibited on the SHML. For more information and further assistance, Ship's Force should contact NSWCCD Code 614 (POC: Deborah Merlino).

V/R,

Tim Kurylo

NSWCCD Code 635

Head, Solid Waste & HAZMAT ISE Branch

5001 S Broad St, Philadelphia, PA 19112

o: 215-897-7181

c: 215-840-6384

timothy.kurylo@navy.mil

Therefore, ref (c) SFR product IS NOT APPROVED for use and will not be added to the SHML.

3. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Sent: Thursday, January 29, 2015 11:17
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: RE: SFR 5222 FOR YOUR REVIEW
Signed By: timothy.kurylo@navy.mil

Mike,

See below for response to SFR 5222:

USS Theodore Roosevelt (CVN 71)

SFR #5222: The SFR requested material (NSN 5610-01-584-3967; Dex-O-Tex Colorflake "M" Epoxy Basecoat Resin Kit) is not specifically called out by the referenced technical manual (NSTM Chapter 634). Therefore, the requested material should remain prohibited on the SHML. For more information and further assistance, Ship's Force should contact NSWCCD Code 614 (POC: Deborah Merlino).

Rej. Do not add.

V/R,
Tim Kurylo
NSWCCD Code 635
Head, Solid Waste & HAZMAT ISE Branch
5001 S Broad St, Philadelphia, PA 19112
o: 215-897-7181
c: 215-840-6384
timothy.kurylo@navy.mil

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 20, 2015 2:39 PM
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Subject: SFR 5222 FOR YOUR REVIEW

ORIGINATOR: NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319 FAX: 717-605-3480, DSN: 430-3480			
REC'D AT NAVSUP WSS: 1/20/2015 FPO#: AE09599 - 2871 UIC#: 21247 TYCOM: SURFLANT			
TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5222 ATTACHED FROM (SHIP): USS THEODORE ROOSEVELT (CVN-71) PRODUCT NAME: DEX-O-TEX COLORFLAKE M EPOXY BASECOAT RESIN KIT (DECK COVERING SEALING COATING) DATE ON SFR: 1/16/2015
NAVSUP WSS	1/20/2015	MC	NSN/NIIN: 5610-01-584-3967 CAGE: 88167 PART NUMBER/DRAWING/SPECIFICATION: 0441 COMP. A / 0442 COMP. B
NSWCCD			SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; O=Obsolete; N=Not Determined) P
ISEA			MSDS NUMBER: (NIH=Not In HMIRS) CZLJS
			MIP: NONE MRC: NONE
LCM/ISEA			MIP/MRC: NONE
			APL: NONE AEL: NONE
NAVSUP WSS			APL/AEL: NONE
			TECHNICAL MANUAL: 89086-VG-STM-010, CH. 634, REV 4
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: NONE			NOTES: C/B1/H 1.5 GALLON KIT CONSISTING OF: P/N: 0441 DEX-O-TEX COLOR FLAKE 'M' BASE COAT RESIN, PART A, 1 GL CN, T/T6/H. P/N: 0441 DEX-O-TEX COLOR FLAKE 'M' BASE COAT RESIN, PART B, 1/2 GL CN, C/C1/H. **** THIS IS A ONE TIME BUY ****

Current Date: 1/16/2015

RECEIVED
JAN 20 2015
BY: SFR 5222

**SHIP'S HAZARDOUS MATERIALS LIST (SHML)
FEEDBACK REPORT (SFR)**

MASTER SHML (P)

T-SHML-A

*This form needs to be completed if the Hazardous Material
that you want to purchase is not authorized on your T-SHML*

SHIP NAME: THEODORE ROOSEVELT HULL NUMBER: CVN 71 TYCOM: COMNAVAIRLANT
UIC: 21247 Serial Number: 150160710 AIRCRAFT RELATED: ☐ Yes ☒ No

I. JUSTIFICATION

(To include equipment/application this material is to be used on):

MATERIAL TO BE USED TO REFINISH INTERIOR METAL DECKS LEFT UNTREATED AFTER SHIPYARD PERIOD.

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable):

N/A

II. TECHNICAL DATA

See SFR 5117

MAINTENANCE INDEX PAGE (MIP) #: N/A

MAINTENANCE REQUIREMENT CARD (MRC) #: N/A

APL OR AEL: N/A

TECH MANUAL: 89086-VG-STM-010 CH. 634 REV: 4 ESTIMATED YEARLY REQUIREMENT: 1.00 ONE TIME USE

III. MANUFACTURER DATA

(If requested NSN is provided proceed to section IV)

Page 88167

NSN: 5610-01-584-3967

MANUFACTURER: CROSSFIELD (DECK COVERING SEALING COATING) PHONE: 908-245-2800 CAGE: 88167

ITEM OR TRADE NAME: DEX-O-TEX COLORFLAKE "M" EPOXY BASE COAT RESIN KIT (UNIT A AND B)

PART NUMBER OR SPECIFICATION: 0441 COMP. A / 0442 COMP. B

UNIT OF ISSUE: KT

UNIT OF MEASURE: 1 GAL CN (PART A), 1/2 gal CN (PART B)

IV. ENDORSEMENTS

0441 DEX-O-TEX COLORFLAKE "M" BASE COAT RESIN PT. A, 1 GLEN.
0442 DEX-O-TEX COLORFLAKE "M" BASE COAT RESIN PT. B, 1 GLEN.

REQUESTORS NAME: EMILY W. HEGARTY BASE COAT RESIN PT. B, RANK: LTJG

EMAIL: emily.hegarty@cvn71.navy.mil

1/2 GLEN. C/C/H

DATE PREPARED:

1/16/2015

COMMANDER OR DESIGNEE NAME: CHRISTIAN MAHLER

CZLJS

RANK: CDR

EMAIL: suppo@cvn71.navy.mil

DATE: 1/16/2015

SIGNATURE:

C.M. L.

CO's signature denotes acceptance of all liabilities associated with
the procurement and use of this non - SHML hazardous material

Electronic submission of SHML Feedback Report/s constitutes CO's approval

Mail to:

Commanding Officer, Naval Inventory Control Point
P.O. Box 2020, Code M0772.22
5450 Carlisle Pike, Mechanicsburg PA 17055-0788
Fax: DSN 430-3480 or COM 717-605-3480
Email: wraps.prime.fct@navy.mil



**DEPARTMENT OF THE NAVY
USS THEODORE ROOSEVELT (CVN 71)
FPO AE 09599-2871**

1210
SUP
15 Jul 14

From: Commanding Officer, USS THEODORE ROOSEVELT (CVN 71)
To: CDR Christian M. Mahler, SC, USN

Subj: AUTHORIZATION TO APPROVE SHIP'S HAZARDOUS MATERIAL
FEEDBACK REPORTS

Ref: (a) OPNAVINST 5100.19E

1. Per reference (a) you are hereby authorized to approve Ships Feedback Reports.
2. Your signature will now denote acceptance of the procurement and use of all non-Ships Hazardous Material Log material.


D. C. GRIECO

Celona, Michael J CIV NAVSUP WSS, M077

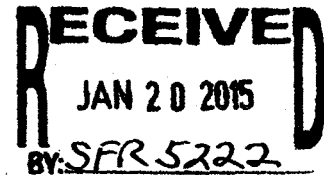
From: Hegarty, Emily W. LTJG <Emily.Hegarty@cvn71.navy.mil>
Sent: Friday, January 16, 2015 21:55
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Hill, Joshua R. LCDR; Mahler, Christian M. CDR (SUPPO)
Subject: SFR for Dex-O-Tex Colorflake M Basecoat Resin
Attachments: dot%20logo.jpg; ColorflakeMSystemTech.DataSheet.pdf;
ColorflakeMSystemTech.InstallationInstruction.pdf; LABEL#
0441ColorflakeMBasecoatResinPartA.pdf; LABEL#
0442ColorflakeMBasecoatResinPartB.pdf; MFGR'sDATADex-O-
TexColorflakeMBasecoatResin.pdf; MSDS#0441ColorflakeMBasecoatResinPartA.pdf;
MSDS#0442ColorflakeMBasecoatResinPartB.pdf; PriceListColorflakeMBasecoatResin#
0441-#0442.pdf; colorflake m basecoat SFR.pdf; SFR authorization.pdf
Signed By: emily.hegarty@navy.mil

Mike,

Please find the SFR for the Dex-o-Tex Colorflake M Basecoat resin attached.
Please let me know if you need any additional information.

V/r,
Emily

E. W. Hegarty
LTJG, SC, USN
HAZMAT Officer
USS THEODORE ROOSEVELT (CVN 71)
J-DIAL: 5024/6350
757-443-7464



-----Original Message-----

From: TomZam@aol.com [mailto:TomZam@aol.com]
Sent: Monday, January 05, 2015 6:03 PM
To: Hegarty, Emily W. LTJG
Subject: Fwd: Zambetti - SFR for Dex-O-Tex Colorflake M Basecoat Resin

Ms. Hegarty,

Please reply. Did you receive this?

Thanks,
Tom

From: TomZam@aol.com
To: Emily.Hegarty@cvn71.navy.mil

Sent: 1/2/2015 3:07:51 P.M. Eastern Standard Time

Subj: Zambetti - SFR for Dex-O-Tex Colorflake M Basecoat Resin

E. W. Hegarty
LTJG, SC, USN
HAZMAT Officer
USS THEODORE ROOSEVELT (CVN 71)

Dear Ms. Hegarty,

Attached is Manufacturer's Data for submitting an SFR for Dex-O-Tex Colorflake M Basecoat Resin. This is one of three components of the Colorflake M System.

Please see my previous e-mail from last week. Three SFR's are typically required because the way the system components are procured.

All that you need to do is transfer UI, UM and some other data on the Mfgr's. Data sheet to your SFR, and e-mail it in.

I will provide you data for Colorflake M Sealer and Color chips next.

Please contact me about this. Please provide you commercial phone number also.

Thank you,
ZAMBETTI ASSOCIATES, INC.
Tom Zambetti

DEX-O-TEX MARINE Representative

Phone: (610) 647-9792
Fax: (610) 647-9793
Mobile:(215) 260-9266

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 20, 2015 14:30
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: USS THEODORE ROOSEVELT; Hegarty, Emily E. LTJG (Emily.Hegarty@cvn71.navy.mil); Mahler, Christian M. CDR (SUPPO); Hill, Joshua R. LCDR; Richardson, David W CTR CNAP, N412; 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; TomZam@aol.com
Subject: USS THEODORE ROOSEVELT: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5222

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Naval Surface Warfare Center, Carderock Division-Ships Systems Engineering Station (NSWCCD-SSES), Code 6350

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: Adriana Gil-Matos

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5222) DEX-O-TEX COLORFLAKE M EPOXY BASECOAT RESIN KIT, (Part# 0441 COMP A / 0442 COMP B), NSN: 5610-01-584-3967
(d) POC for the USS Theodore Roosevelt (CVN-71): LTJG Emily W. Hegarty
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

Ref (b) has forwarded your SFR to ref (e) for further review and analysis. Upon ref (e) recommendation, NSWCCD TA will issue an authorization decision. At that time, ref (b) will advise all POC's of the final analysis (approval/disapproval) of ref (e) review. When the results of this analysis is complete, the SHML/T-SHML will be modified by ref (b) to reflect the appropriate information on its next update.

2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.



DEPARTMENT OF THE NAVY

NAVSUP WEAPON SYSTEMS SUPPORT

700 ROBBINS AVENUE
PHILADELPHIA PA 19111-5098

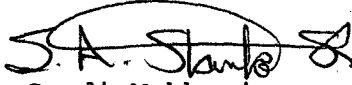
5450 CARLISLE PIKE - PO BOX 2020
MECHANICSBURG PA 17055-0788

COM & FTS 717-605-8319
DSN & EXT 430-8319
FAX # 717-605-3480
IN REPLY REFER TO:
4030
Ser N242/013
20 January 2015

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code M0772
To: Commanding Officer, Naval Surface Warfare Center, Carderock
Division-Ship Systems Engineering Station (NSWCCD-SSES),
Code 635
Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIAL LIST (SHML) FEEDBACK
REPORT (SFR)

Encl: (1) SHML SFR (SFR# 5222)

1. Enclosure (1) contains a packet of one (1) SFR (SFR# 5222) for your review/recommendation.
2. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code 0772.23, DSN 430-8319 for (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.


For Sandi Mukherjee
By Direction

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Friday, January 23, 2015 10:04
To: USS VICKSBURG; 'Sexton, Oliver-Nicholas G. LSSN'; S1_Div; Rivera, Clifford S. LT
Cc: 'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)'; 'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077; Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077; Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson, James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor, Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Mukherjee, Sandi CIV NAVSUP WSS, M077; Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Subject: USS VICKSBURG: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR) #5223 (FINAL ANSWER)

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M), Pa., Code N242
To: Commander, USS Vicksburg (CG-69)

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet (COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC), Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT (SFR)

Attn: LSSN Sexton

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242, Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5223) FILLER, SEAM, (Part# 100-7121176; PR 944F PART A / PR 944F PART B), NSN: 8010-01-224-4902
(d) POC for the USS Vicksburg (CG-69): LSSN Sexton
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

1. Per ref (a), ref (b) received ref (c) SFR from ref (d). Each SFR is reviewed and is assigned an SFR number by ref (b) and processed through the Hardware Systems Command (HSC) Technical Authorities (TA) ref (b) and (e). The following information provides the current status of your SFR.

2. Concerning ref (c) SFR# 5223 per ref (e):

Hello Mike,

USS Vicksburg (CG 69)

SFR #5223: The SFR requested material (NSN: 8010-01-224-4902; Filler, Seam) was requested to repair cracks in Radio Central. However, there was no technical data (i.e. MIP/MRC, AEL/APL, technical manual, etc.) referenced in the SFR. Therefore, the requested material is not authorized at this time. No changes to the SHML are required. Relevant technical data and/or a detailed description of the material's intended use/application (i.e. where the material will be used, who will use it, explanation of Radio Central repair jobs, etc.) should be provided to NSWCCD Code 635 (POC: Adriana Gil-Matos) for further review.

Very Respectfully,
Adriana M. Gil Matos
Chemical Engineer
HAZMAT ISEA & Specialist
adriana.gil-matos@navy.mil
215-897-7336
NSWCCD Code 635, Solid Waste & HAZMAT ISE Branch
5001 S. Broad Street
Philadelphia, PA 19112

Therefore, NSN: 8010-01-224-4902 IS NOT APPROVED for use and will remain listed as Prohibited on the CG T-SHML.

3. Our point of contact in the Asset Protection-Pollution Prevention and PHS&T Division is Mr. Mike Celona, Code N242, DSN: 430-8319 or (717) 605-8319. Fax: DSN 430-3480 or (717) 605-3480.

Celona, Michael J CIV NAVSUP WSS, M077

From: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Sent: Thursday, January 22, 2015 13:46
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350; Shull-Archer, Karen E CIV NSWCCD Philadelphia, Code 635; He, Marianne C CIV NSWCCD Philadelphia, 6350; Iaconianni, Frank J CIV NSWCCD Philadelphia, 6350
Subject: RE: SFR 5223 FOR YOUR REVIEW
Signed By: adriana.gil-matos@navy.mil

Hello Mike,

USS Vicksburg (CG 69)

SFR #5223: The SFR requested material (NSN: 8010-01-224-4902; Filler, Seam) was requested to repair cracks in Radio Central. However, there was no technical data (i.e. MIP/MRC, AEL/APL, technical manual, etc.) referenced in the SFR. Therefore, the requested material is not authorized at this time. No changes to the SHML are required. Relevant technical data and/or a detailed description of the material's intended use/application (i.e. where the material will be used, who will use it, explanation of Radio Central repair jobs, etc.) should be provided to NSWCCD Code 635 (POC: Adriana Gil-Matos) for further review.

Very Respectfully,

=====

Adriana M. Gil Matos
Chemical Engineer
HAZMAT ISEA & Specialist
adriana.gil-matos@navy.mil
215-897-7336

NSWCCD Code 635, Solid Waste & HAZMAT ISE Branch
5001 S. Broad Street
Philadelphia, PA 19112
=====

"FOUO-PRIVACY SENSITIVE:

FOR OFFICIAL USE ONLY -PRIVACY SENSITIVE -Any misuse or unauthorized disclosure of this information may result in both criminal and civil penalties"

-----Original Message-----

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 20, 2015 3:52 PM
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: Kurylo, Timothy S CIV NSWCCD Philadelphia, 6350
Subject: SFR 5223 FOR YOUR REVIEW

ORIGINATOR: NAVSUP WSS-MECHANICSBURG, PA, CODE N242, BUILDING 312, TEL: 717-605-8319, DSN: 430-8319 FAX: 717-605-3480, DSN: 430-3480			
REC'D AT NAVSUP WSS: 8/20/2014 FPO#: AA34093 - 1189 UIC#: 21684 TYCOM: SURFLANT			
TO CODE:	RELEASE DATE:	INITIALS	SUBJECT: SHIP HAZARDOUS MATERIAL LIST (SHML FEEDBACK REPORT (SFR)) SFR # 5223 ATTACHED FROM (SHIP): USS VICKSBURG (CG-69) PRODUCT NAME: FILLER, SEAM DATE ON SFR: 1/12/2015
NAVSUP WSS	1/20/2015	MC	NSN/NIIN: 8010-01-224-4902 CAGE: 53711
NSWCCD			PART NUMBER/DRAWING/SPECIFICATION: 100-7121176; PR 944F PART A / PR 944F PART B
ISEA			SHML STATUS: (NIS=Not in SHML; A=Authorized; P= Prohibited; R=Restricted; O=Obsolete; N=Not Determined) P
			MSDS NUMBER: (NIH=Not In HMIRS) DHZWE
			MIP: NONE
			MRC: NONE
LCM/ISEA			MIP/MRC: NONE
			APL: NONE
			AEL: NONE
NAVSUP WSS			APL/AEL: NONE
			TECHNICAL MANUAL: NONE
			AIRCRAFT APPLICATIONS: NO
RELATED SFR's: NONE			NOTES: F/F2/H ONE KIT EACH, WHICH INCLUDES: PR 944F PART A = Z/F8/H. PR 944F PART B = F/F2/H.

RECEIVED
JAN 20 2015
BY: SFR5223

AP34093-1189

Current Date: 1/12/2015

SHIP'S HAZARDOUS MATERIALS LIST (SHML)
FEEDBACK REPORT (SFR)

Master R
T-SHML - (P)
NIT

This form needs to be completed if the Hazardous Material
that you want to purchase is not authorized on your T-SHML

SHIP NAME: USS VICKSBURG

HULL NUMBER: 69 (CG-69)

TYCOM:

UIC: V21684

Serial Number:

AIRCRAFT RELATED: ☐ Yes ☒ No

I. JUSTIFICATION (To include equipment/application this material is to be used on):
FILLER, SEAM Used to repair cracks in Radio Central.

CURRENTLY USED NSN OR PRODUCT TO BE REPLACED (if applicable): N/A

II. TECHNICAL DATA

MAINTENANCE INDEX PAGE (MIP) #: N/A

MAINTENANCE REQUIREMENT CARD (MRC #: N/A

APL OR AEL: N/A

TECH MANUAL: N/A

REV. N/A ESTIMATED YEARLY REQUIREMENT: N/A

III. MANUFACTURER DATA (If requested NSN is provided proceed to section IV)

1H NSN: ⁸⁰¹⁰~~8101~~-01 - 224 - 4902

MANUFACTURER: ~~WE PARTS~~

NAVAL SEA SYSTEMS COMMAND

PHONE: ~~321-473-6075 EXT. 785~~

~~202-781-0000~~

818-549-7570

ITEM OR TRADE NAME: FILLER, SEAM

PART NUMBER OR SPECIFICATION: 100-7121176

UNIT OF ISSUE: ~~EA~~ KT

UNIT OF MEASURE: KT

DH ZTZ = PT-A

Z/F8/H

DH ZWE = PT-B

F/F2/H

IV. ENDORSEMENTS

Cage 06123/PR 944F PART A
818-549-7570 P/N: PR 944F PART B

PRC-DESOTO CDP INC.

REQUESTORS NAME: LSSN SEXTON, OLIVER-NICHOLAS G.

RANK: E-3

EMAIL: Sextonog@cg69.navy.mil

DATE PREPARED: 01/12/2015

COMMANDER OR DESIGNEE NAME: CAPT. HALL, LYLE D.

RANK: O-6

EMAIL: Hallld@cg69.navy.mil

DATE: 01/12/2015

SIGNATURE: *Lyle Hall*

CO's signature denotes acceptance of all liabilities associated with
the procurement and use of this non-SHML hazardous material

Electronic submission of SHML Feedback Report/s constitutes CO's approval

Mail to:

Commanding Officer, NAVSUP Weapons Systems Support

P.O. Box 2020, Code M0772.22

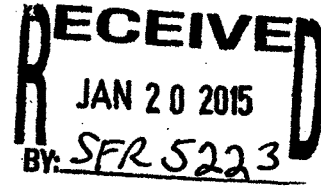
5450 Carlisle Pike, Mechanicsburg PA 17055-0788

Fax: DSN 430-3480 or COM 717-605-3480

Email: wraps.prime.fct@navy.mil

Celona, Michael J CIV NAVSUP WSS, M077

From: Sexton, Oliver-Nicholas G. LSSN <sextonog@cg69.navy.mil>
Sent: Tuesday, January 20, 2015 2:22
To: Celona, Michael J CIV NAVSUP WSS, M077
Cc: S1_Div; Rivera, Clifford S. LT
Subject: SHML feedback report follow up
Attachments: SHML FEEDBACK REPORT.PDF



Good morning Mr. Celona,

On Sunday, I submitted a SHML feedback report for "Filler, Seam". I just wanted to follow up and check on the status of the report. I have attached another copy to the email just in case. If you need any additional information or have any other questions, please feel free to email me.

V/r,

LSSN Sexton

HAZMAT Manager

USS VICKSBURG (CG-69)

HE01/S-1

Celona, Michael J CIV NAVSUP WSS, M077

From: Celona, Michael J CIV NAVSUP WSS, M077
Sent: Tuesday, January 20, 2015 15:46
To: Gil-Matos, Adriana M CIV NSWCCD Philadelphia, 6350
Cc: USS VICKSBURG; 'Sexton, Oliver-Nicholas G. LSSN'; S1_Div; Rivera, Clifford S. LT;
'COMNAVAIRPAC'; 'COMNAVAIRLANT (aor@saltsmail.salts.navy.mil)';
'COMNAVSURFLANT'; 'COMNAVSURFPAC'; Celona, Michael J CIV NAVSUP WSS, M077;
Bottinelli, Jehdia CIV NAVSUP GLS; Houde, Jennifer S CIV NAVSUP WSS, M077;
Hammerer, Mary Q CIV NAVAIR 6.7.1.4; Ichniowski, Matthew CIV nawcad, 6.0; Wilson,
James N CIV NAVSUP FLC Norfolk, 401.2; Armacost, Andrew H CIV MSC, N46; Siebor,
Adam CIV NAVSUP FLC Norfolk, 401.2; Kurylo, Timothy S CIV NSWCCD Philadelphia,
6350; Mukherjee, Sandi CIV NAVSUP WSS, M077
Subject: USS VICKSBURG: SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK REPORT
(SFR) #5223
Signed By: mike.celona@navy.mil

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code N242
To: Naval Surface Warfare Center, Carderock Division-Ships Systems
Engineering Station (NSWCCD-SSES), Code 635

Copy to: Commander, Naval Surface Force, U.S. Atlantic Fleet
(COMNAVSURFLANT), Code N411B
Commander, Naval Surface Force, U.S. Pacific Fleet (COMNAVSURFPAC),
Code N931
Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT),
Code N412A
Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Code 80

Subj: FORWARDING OF SHIPBOARD HAZARDOUS MATERIALS LIST (SHML) FEEDBACK
REPORT (SFR)

Attn: Adriana Gil-Matos

Ref: (a) NAVSUP PUB P-485 SFR PROCESS
(b) NWSS-M Point Of Contact (POC): Mike Celona, Code N242,
Tel: (717) 605-8319 or DSN: 430-8319. Fax: 717-605-3480 or DSN: 430-3480
(c) (SFR #5223) FILLER, SEAM, (Part# 100-7121176; PR 944F PART A / PR 944F PART B),
NSN: 8010-01-224-4902
(d) POC for the USS Vicksburg (CG-69): LSSN Sexton
(e) NSWCCD-SSES POC, Adriana Gil-Matos, Tel: (215) 897-7336, DSN: 430-7336

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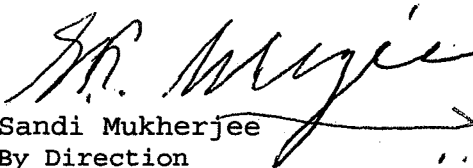
COM & FTS 717-605-8319
DSN & EXT 430-8319
FAX # 717-605-3480
IN REPLY REFER TO:
4030
Ser N242/014
20 January 2015

From: Commander, NAVSUP Weapon Systems Support, Mechanicsburg (NWSS-M),
Pa., Code M0772
To: Commanding Officer, Naval Surface Warfare Center, Carderock
Division-Ship Systems Engineering Station (NSWCCD-SSSES),
Code 635

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Encl: (1) SHML SFR (SFR# 5223)

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Sandi Mukherjee
By Direction